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North Central Forest Experiment Station

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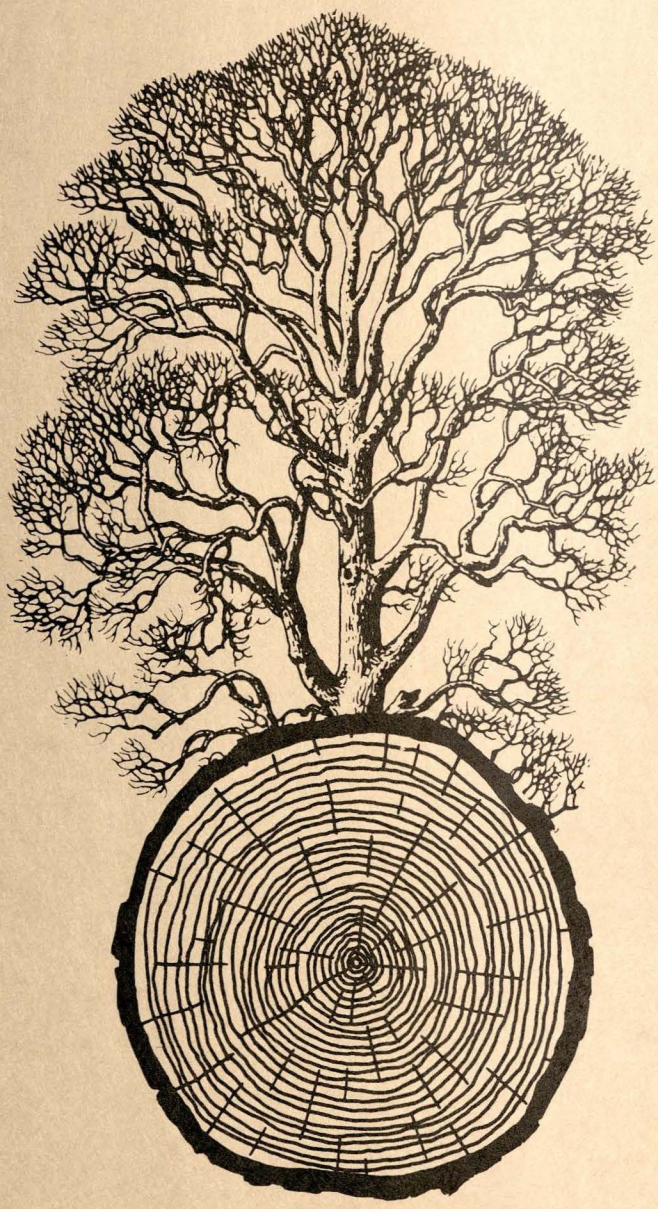
Fuelwood Production and Sources from Roundwood in Illinois, 1983

James E. Blyth, Dwight R. McCurdy, John H. Burde and W. Brad Smith



North Central Forest Experiment Station
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FOREWARD

This bulletin contains the results of a detailed study of 1983 fuelwood production and sources in Illinois. Such detailed information is necessary for intelligent planning and decisionmaking in wood procurement, forest resource management, and forest industry development. Likewise, researchers need current fuelwood production information for planning projects.

Special thanks are given to the Illinois households and commercial fuelwood producers that supplied information for this study. Their cooperation is greatly appreciated.

We also acknowledge with special thanks the forestry students at Southern Illinois University for their diligence in phoning and obtaining answers from these households and commercial fuelwood producers.

Quantities shown may differ slightly from one table to another because of rounding differences, but these differences are insignificant.

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FUELWOOD PRODUCTION AND SOURCES FROM ROUNDWOOD IN ILLINOIS, 1983

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HIGHLIGHTS

- Total fuel production from roundwood in 1983 was 1,633,000 cords.
- More than 99 percent of the fuelwood was cut by households; the remainder was cut by commercial producers.
- White oak and red oak comprised 53 percent of the fuelwood cut.
- Private land supplied 97 percent of the fuelwood cut.
- Rural woodland furnished 46 out of every 100 cords of fuelwood.
- Of the remaining 54 cords out of 100 that were cut from other land classes, 23 cords came from cities and villages; 21 cords came from fencerows, windbreaks, and rural yards; and 10 cords came from pasture and cropland.
- Growing stock on commercial forest land (CFL) was a minor source of fuelwood. An estimated 100,000 cords (6 percent) came from growing stock on CFL.
- Dead trees on CFL provided 31 percent of the fuelwood. Nongrowing stock on CFL was 6 times as important for fuelwood as growing stock on CFL.
- Commercial producers got a much greater proportion (2.5 times) of their fuelwood from growing stock on CFL than did households.
- No county produced more than 7,000 cords of fuelwood from growing stock on CFL.

HISTORICAL FUELWOOD DEMAND

Wood was the primary energy source in the United States until the late 1800's but by 1900 provided only about 25 percent of this Country's energy. Between 1949 and 1974 fuelwood use declined steadily for utilities, residences, and commercial businesses, although it increased steadily for industries. Wood supplied only 2 percent of U.S. energy in 1972, the year before the Arab embargo sent oil prices spiraling upward. In recent years wood has been making a moderate comeback. Both residential and industrial use of fuelwood is increasing. Between 1974 and 1981, roused by higher prices for fossil fuels such as coal, oil, and natural gas, Americans increased their overall use of wood fuels by 45 percent. The Department of Energy found that the number of households using firewood as their main space-heating fuel more than doubled between 1978 and 1980. In 1980 wood furnished about 1.5 quads (1.5 quadrillion BTU's) of energy, approximately 3 percent of the Nation's total. A recent U.S. Department of Agriculture, Forest Service survey found that during the 1980-1981 heating season, American households burned 42 million cords of fuelwood, which is equal to one-fifth of the Nation's total timber harvest. A U.S. Congress Office of Technology Assessment report on bio-energy says the annual total use of wood for energy could reach 5 to 10 quads by 2000.

NEED FOR A PRODUCTION STUDY

A study of Illinois fuelwood production from roundwood in 1983 was necessary to provide estimates of fuelwood production for the third Illinois forest inventory and to determine the impact of fuelwood production on the forest resource. Forest managers and users are questioning the magnitude of

the fuelwood harvest and the sources of the wood. How much fuelwood is harvested from forest land? Urban areas? Fencerows and windbreaks? Pastures and cropland? How much fuelwood comes from public land? Does most of the fuelwood come from growing stock? Are dead trees an important source? Are commercial fuelwood producers a major source of fuelwood? What are the principal species cut? Where are the principal fuelwood-producing areas in Illinois? Are saw log markets threatened by fuelwood producers?

To answer these and other related questions in Illinois, a cooperative study was completed in 1983 by the North Central Forest Experiment Station, the Department of Forestry at Southern Illinois University, and the Illinois Department of Conservation.

ANALYSIS OF PRODUCTION

Geographic source.—The Prairie Unit supplied 81 percent of the 1.633 million cords of fuelwood cut from roundwood in 1983. Thirteen percent was supplied by the Claypan Unit and 6 percent by the Southern Unit. Counties each producing more than 100,000 cords were Will, McHenry, and Cook (fig. 1).

Type of producer.—Fuelwood producers are divided into two segments—households and commercial. Households cut all but 7,000 cords in 1983. Harvesting by commercial producers was proportionally greatest in the Southern Unit:

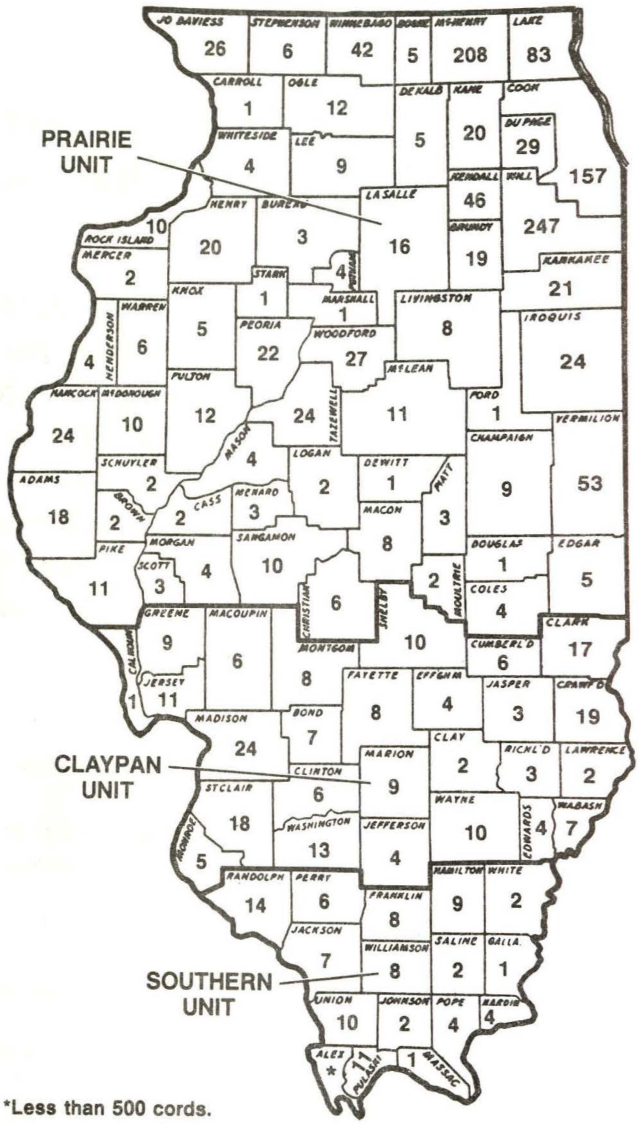
Survey Unit	Production	
	Households	Loggers
	(Thousand cords)	
Southern	88	1
Claypan	213	2
Prairie	1,325	4
Total	1,626	7

Species.—White oak and red oak were the principal fuelwood species, they accounted for 53 percent of the total. Leading species cut were:

Species	Volume	Percent
	(Thousand cords)	
White oak	541	33
Red oak	325	20
Soft maple	141	9
Hickory	135	8
Elm	119	7
Ash	69	4

No other species supplied more than 32,000 cords. Softwoods (pine and redcedar) supplied less than 1 percent.

Red oak and white oak were each important for fuel in every Unit. Hickory and ash were significant in the Southern and Claypan Units. Soft maple and elm were prominent in the Prairie Unit.



*Less than 500 cords.

Figure 1.—*Fuelwood production by county from roundwood (in thousand standard cords), Illinois, 1983. Forest Survey Units shown are the geographical areas used by the Forest Inventory and Analysis Project to report periodic inventories and use of the Nation's forest resources.*

Private vs. public land.—Private land provided 97 percent of the fuelwood cut. Public land furnished from 2 to 4 percent in each Unit:

Unit	Private	Public
	(Thousand cords)	
Southern	85	4
Claypan	210	5
Prairie	1,288	41
All	1,583	50

Forest industry land (owned by firms with primary wood-using mills) supplied only 1,000 cords of fuelwood. Forest industries own a nominal amount of Illinois land.

County and municipal land was the chief source of fuelwood from the public sector:

Public land class	Fuelwood volume (Thousand cords)	Public (Percent)
County and municipal	40	80
Other Federal	6	12
State	3	6
National Forest	1	2
Total	50	100

Oak and maple were the primary species cut on county and municipal land.

Rural woodland[1] vs. other land.—Forty-six out of every 100 cords of fuelwood came from rural woodland. The remainder came from diverse sources such as cities and villages; windbreaks, fencerows, and yards of homes in rural areas; and pasture and cropland. Rural woodland supplied more than half the fuelwood in the more heavily forested Southern and Claypan Units and 44 percent in the Prairie Unit:

Unit	Rural woodlands (Thousand cords)	Other land
Southern	45	44
Claypan	119	96
Prairie	590	739
All	754	879

Of the 54 cords out of 100 obtained on noncommercial forest and nonforest land areas, 23 came from cities and villages; 21 came from fencerows, windbreaks, and rural yards; and 10 came from pasture and cropland. Oak was the principal fuelwood species cut on each of these land classes.

Ninety-six percent of the fuelwood produced in cities and villages came from the more heavily urbanized Prairie Unit. Fuelwood cut from pasture and cropland in the Claypan and Southern Units was proportionally larger than their overall share of fuelwood output. The proportion of fuelwood from windbreaks, fencerows, and rural yards in each Unit was near the proportion of fuelwood production from all land classes in each Unit.

Growing stock vs. nongrowing stock.—Growing stock (see definitions) on commercial forest land (CFL) was not a major source of fuelwood. Of the 1,633,000 cords of fuelwood cut from roundwood, an estimated 100,000 cords (6 percent) came from growing stock on CFL. Producers cut another 586,000 cords (36 percent) from nongrowing stock on CFL:

Source	Volume (Thousand cords)	Percent of total
Growing stock on CFL	100	6
Nongrowing stock on CFL		
Dead trees	501	31
Tops and limbs of growing stock trees	65	4
Cull trees and sections	20	1
Saplings	(2)	(3)
Nonforest and non CFL	947	58
Total	1,633	100

Nonforest and noncommercial forest land sources (such as cities, villages, pasture, cropland, fencerows, and windbreaks), supplied the other 947,000 cords (58 percent).

None of the Units harvested large quantities of growing stock on CFL for fuelwood. The highest proportion cut from growing stock was in the Claypan Unit:

Unit	Growing stock Volume (Thousand cords)	Growing stock Percent of unit total
Southern	9	10
Claypan	33	15
Prairie	58	4
All	100	6

Nine counties—Bond, Carroll, Franklin, Hancock, Mason, Montgomery, Schuyler, Wabash, and Warren—each produced more than 25 percent of their fuelwood from growing stock (fig. 2). No group of contiguous counties showed a pattern of heavy harvesting of growing stock for fuel. Counties each producing more than 4,000 cords of fuelwood from growing stock were Crawford, Grundy, Hancock, Madison, McHenry, Will, and Winnebago (fig. 3). Two of these counties (McHenry and Will) are near Chicago, and each produced less than 3 percent of their total fuelwood from growing stock. Sixteen counties did not produce any fuelwood from growing stock.

[1] *Rural woodland was assumed to be commercial forest land.*

[2] *Less than 500 cords.*

[3] *Less than 0.5 percent.*

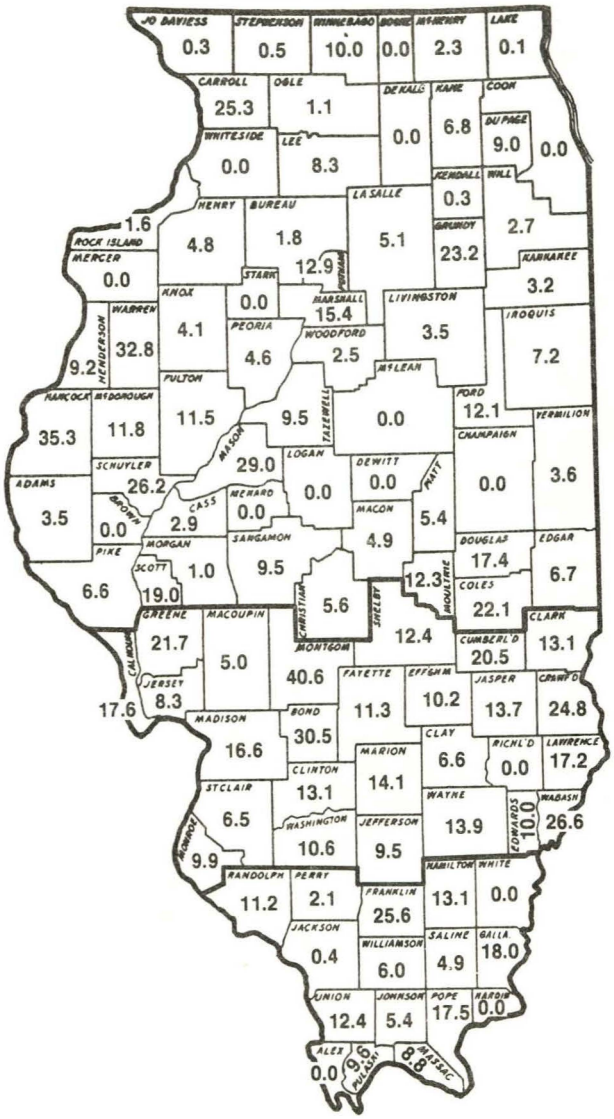


Figure 2.—*Percent of fuelwood harvest from growing stock on commercial forest land by county, Illinois, 1983.*

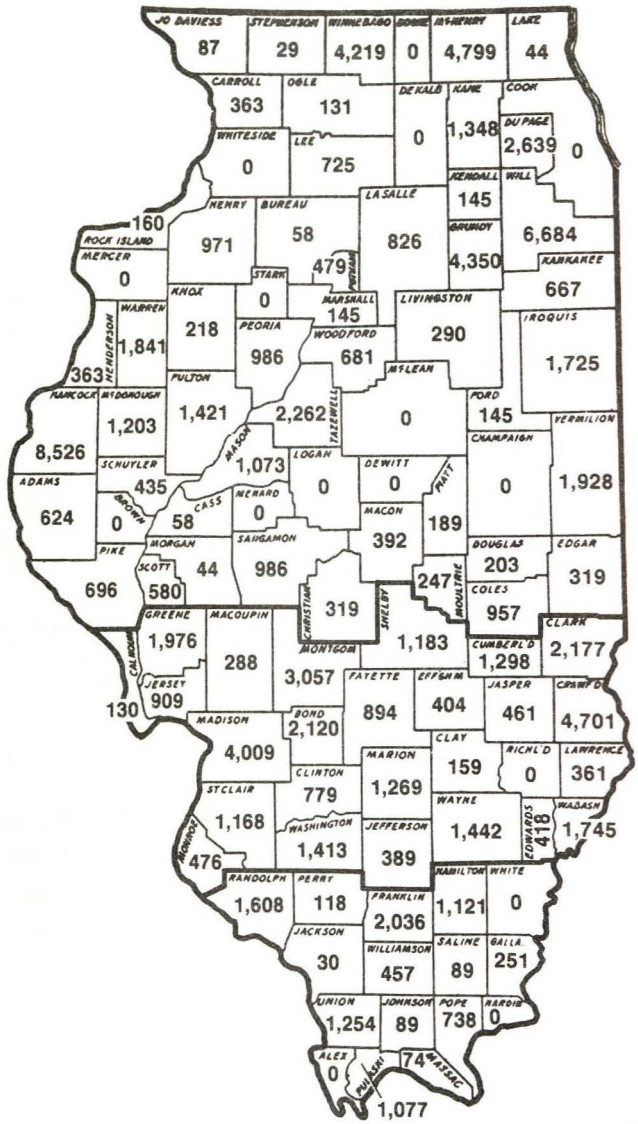


Figure 3.—*Number of cords of fuelwood harvested from growing stock on commercial forest land by county, Illinois, 1983.*

Harvesting of dead trees on CFL for fuel was uniform across the Units; it ranged from 26 percent in the Claypan to 31 percent in the Prairie to 34 percent in the Southern. Dead trees on CFL provided more than half of the fuelwood cut in each of 24 counties. Five Prairie Unit counties (Jo Daviess, Lake, McHenry, Will, and Woodford) each furnished more than 20,000 cords from dead trees on CFL.

In each of eight counties, more than 80 percent of the fuelwood came from nonforest and noncommercial forest land. Three counties (Cook, Will, and McHenry) each produced more than 95,000 cords of fuelwood from nonforest and noncommercial forest land.

Compared to households, commercial producers cut a higher proportion of their fuelwood from growing stock on CFL. Commercial producers cut 15 percent from growing stock compared to 6 percent by households. By Survey Unit, the proportion harvested from growing stock ranged from 14 to 18 percent for commercial cutters and 4 to 15 percent for households. In the Prairie Unit, the difference was most striking; commercial producers cut 14 percent from growing stock but households cut only 4 percent.

SUMMARY AND CONCLUSIONS

Total output of fuelwood during 1983 in Illinois from roundwood was 1,633,000 cords. This volume of fuelwood contained sufficient heat value to replace approximately 164,000,000 gallons of No. 2 fuel oil[4]. More than 99 percent was hardwoods.

[4]*In making comparisons of heat value between fuels, another factor to consider is the energy required to produce and deliver the fuels to the consumer.*

The Prairie Unit contains 65 percent of all Illinois land and only about 35 percent of the forest land but produced 81 percent of the fuelwood. The denser population in the Prairie Unit compared to the rest of the State was a major reason for the greater intensity of fuelwood harvesting in this Unit.

Households outproduced commercial cutters by a ratio of 220 to 1 Statewide. Oak comprised slightly more than half of the harvest. Private nonforest and noncommercial forest land was the chief source of fuelwood. Slightly more than two-fifths of the production was on rural woodland, but nearly 3 out of 4 cords cut on rural woodland came from dead trees.

Growing stock on CFL was a minor source of fuelwood; it accounted for only 6 percent of the output or enough to supply one, 170 ton/day pulpmill with wood for 1 year. No county produced more than 7,000 cords of fuelwood from growing stock on CFL. Nongrowing stock on CFL was 6 times as important for fuelwood as growing stock. Dead trees on CFL accounted for 3 out of 10 cords of fuelwood produced.

Commercial producers cut a nominal amount of fuelwood in 1983. However, commercial producers got a much larger proportion (2.5 times) of their fuelwood from growing stock on CFL than did households. If commercial producers become more important suppliers of fuelwood, the percentage of growing stock in the mix of fuelwood will rise.

Some forest managers and wood procurement managers in Illinois may fear that large quantities of fuelwood are being cut from growing stock that previously would have been used for saw logs and other forest products. Our study results should relieve many of their concerns. Much of the fuelwood is from dead trees unlikely to be suitable for other products and from trees on nonforest and noncommercial forest land that are not generally a forest industry supply source.

During the next 5 to 8 years, growing stock is likely to remain a minor source of Illinois fuelwood. Large quantities of dead trees, tops and limbs, and trees on nonforest land are available each year for fuelwood use. Follow-up fuelwood studies at 5-year intervals would be useful in determining trends in harvesting growing stock for fuel. Changes in the commercial producer to household fuelwood production ratio will be significant in determining the proportion of fuelwood cut from growing stock on CFL.

Use of dead trees and cull trees on CFL for fuel is contributing to forest productivity increases. As demand for fuelwood has increased, more of these trees have been removed for a profit as fuel or without need for subsidized incentives. Consequently, less money has been required for a given level of timber stand improvement than if fuelwood demand had remained at low levels.

STUDY METHODS

Data for this publication came from sampling Illinois households and canvassing all known commercial fuelwood producers with formal questionnaires approved by the Federal Office of Management and Budget.

Households

The respondent universe was all households in Illinois with listed telephones. Illinois was divided into two Districts: (1) the Chicago District (2,346,617 households) and (2) the Outside Chicago District (1,698,757 households). The Chicago District contains Cook, DuPage, Kane, Kendall, and Lake Counties.

A total sample size of about 7,000 households was selected based on funding available and a desired standard error of less than ±20 percent Statewide at one standard deviation. To ensure at least 5 households would be sampled in each county, 6,024 sample households were selected in the Outside Chicago District. The sample size ranged from 6 households in Pope County to 788 households in Cook County (fig. 4).

Households were selected for the sample by the Department of Forestry at Southern Illinois University (DF,SIU) using systematic random sampling techniques. In each of the two Districts, households were selected from current phone books using the following procedures:

1. Collect all current phone directories within the county.
2. Eliminate all duplicate books and numbers; eliminate all out-of-county numbers.
3. Estimate the total number of residential numbers in each book. Eliminate all nonhousehold numbers (business, institutional, etc.) in each book. Record the number of pages per book.
4. Determine the number of calls to be made from each book and the interval per call by the following equations:

a. $$\frac{\text{Total residential numbers in all books}}{\text{sample size}} = \text{interval per call.}$$

b. $$\frac{\text{Number of residential phones per book}}{\text{interval}} = \text{number of calls needed from this book.}$$

c. $$\frac{\text{Number of pages per book}}{\text{number of calls per book}} = \text{interval per call for this book.}$$

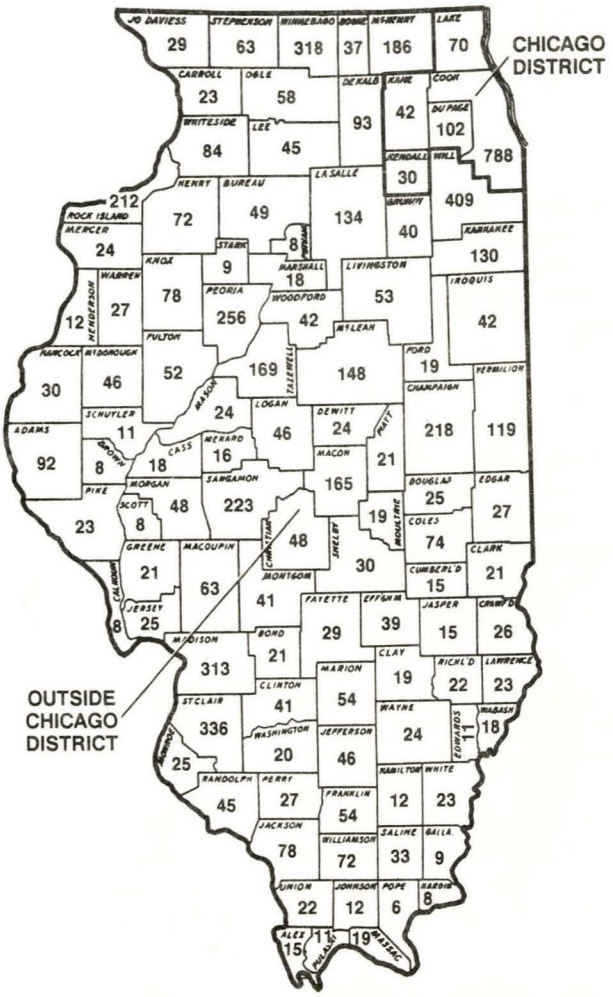


Figure 4.—*Number of sample households in each county.*

Southern Illinois University forestry students interviewed the sample households by phone using a formal questionnaire prepared by the North Central Forest Experiment Station (NCFES). The survey was conducted during March, April, and May, 1983. Calls were made on weekday evenings or on weekends.

Initial editing was completed by DF,SIU and final editing and data compiling were done by the NCFES. Some respondents did not know the species cut for fuel except in general terms such as mixed hardwoods, oak, maple, etc. Some assumptions were made to facilitate prorating the volume reported in general terms to specific species by county. The assumptions were:

Mixed hardwoods: For each county, prorate mixed hardwoods from each source in table 1 to the other species groups shown for that source, unless two or fewer species were found for that source. If two or fewer species groups were represented, prorate according to the species groups found in "all sources."

Oak: For each county in a Survey Unit, prorate to white and red oak on the basis of the inventory volume in the Unit at the time of the last inventory.

Maple: Give double weighting to hard maple. For each county in a Survey Unit, prorate to hard and soft maple on the basis of the inventory volume in the Unit at the time of the last inventory.

Hickory: For each county in a Survey Unit, prorate to pecan hickory and other hickory on the basis of the inventory volume for select hickory and other hickory at the time of the last inventory.

Sampling rates were about 8 times as high in the Outside Chicago District as in the Chicago District. Expansion factors were determined for households in each District by dividing the number of households in a District by the number of sample households in that District. The factors were 2,273.9 in the Chicago District and 282.0 in the Outside Chicago District. These expansion factors were used to estimate the total fuelwood production by households in each county.

Commercial Procedures

A list of commercial fuelwood producers was compiled for each county by the Illinois Department of Conservation and the DF,SIU. Sources of the compilation were the yellow pages of Illinois telephone directories and Illinois newspaper ads for fuelwood available for sale. Newspaper ads were scanned for several months to find producers. A total of 187 commercial producers were found.

Using a formal questionnaire similar to that used for households, forestry graduate students at SIU canvassed all of the commercial producers by phone during August 1983. Possible duplicate sampling of commercial producers was minimized by questioning all sample households producing more than 20 cords of fuelwood to determine if they were commercial producers.

For estimating growing stock on CFL harvested for fuel, "rural woodland" (woodland outside city and village limits) was assumed to be commercial forest land (CFL). Logging utilization factors for fuelwood were used to estimate the quantity of growing stock cut for fuelwood on CFL. The Station developed these factors in Michigan during 1964-1965 by measuring trees cut for fuelwood on active harvesting operations. For fuelwood cut from live trees on CFL, 63 percent was estimated to be growing stock. For fuelwood cut or collected from logging residue on CFL, an estimated 27 percent was growing stock.

APPENDIX

SAMPLING ERROR

All the reported figures are estimates based on sampling procedures designed to accurately estimate fuelwood production. A measure of reliability of these figures is given by sampling errors. These sampling errors mean that the chances are two out of three that the results for the sample differ by no more than the amount indicated from the results that would have been obtained if a 100-percent sample of all households and commercial producers had been made. Sampling error for fuelwood production was ±14.92 percent on a volume of 1,633,248 cords.

In retrospect, the Statewide sampling error for fuelwood production could have been lowered if the sample of households had been larger in the Chicago District and correspondingly lower in the Outside Chicago District. Sampling error was ±28.53 percent for 835,248 cords of fuelwood produced by Chicago District households and commercial producers and ±6.39 percent for 798,000 cords produced by Outside Chicago District households and commercial producers.

We assumed that Chicago District households would produce one-third or less of the total household fuelwood. Chicago District households (58 percent of the total) actually produced 51 percent of the household fuelwood.

STUDY LIMITATIONS

Two components of total fuelwood production are not included in this report. First, fuelwood produced from wood residue generated at primary wood-using mills (such as sawmills, cooperage mills, etc.) is not included. However, a cooperative Illinois primary wood-using mill study between the Illinois Department of Conservation and the North Central Forest Experiment Station will provide an estimate of fuelwood produced from primary mill residue. Information on this source of fuelwood will be published in another paper.

Second, fuelwood produced from wood residue generated at secondary wood-using mills (such as millwork plants, furniture plants, and office and store fixture manufacturers) was not estimated. Secondary wood-using mill residue is a minor source of fuelwood that has no direct impact and only a nominal indirect influence on the forest resource used for fuel.

Households without listed telephones were not sampled. Study results may be slightly biased if the fuelwood harvest per household without listed phones is significantly different in quantity or sources from the fuelwood harvest per household with listed phones. Harvesting characteristics by these two groups was assumed to be similar, and expansion factors for estimating total fuelwood production took into account all households in Illinois.

Each sample household was asked how much fuelwood their household cut during the previous 12 months. Likewise, each commercial producer was asked a similar question concerning their firm. Because the study was conducted during several months in 1983, the actual fuelwood harvest was for varying 12-month periods in 1982 and 1983 depending on when the respondent was called. For purposes of this paper, production has been labelled as 1983 for ease of discussion and because the exact date does not significantly affect the analysis or findings.

Some commercial producers may not advertise in the yellow pages or in newspapers. Consequently, they were not included in the study and would cause our estimated production to be conservative. However, we believe the quantity excluded is insignificant because the producers in the study cut small quantities of fuelwood.

DEFINITION OF TERMS

Commercial forest land.—Forest land producing or capable of producing crops of industrial wood and not withdrawn from timber utilization. Areas qualifying as commercial forest land have the capability of producing in excess of 20 cubic feet per acre per year of annual growth under management. Currently inaccessible and inoperable areas are included, except when the areas involved are small and unlikely to become suitable for production of industrial wood in the foreseeable future. In this paper, "woodland areas outside city or village limits (rural woodland)" were assumed to be commercial forest land.

County and municipal land.—Land owned by counties and local public agencies or municipalities, or land leased to these governmental units for 50 years or more.

Forest industry land.—Land owned by companies or individuals operating primary wood-using mills.

Growing-stock trees.—Live trees of commercial species qualifying as desirable and acceptable trees. Excludes rough cull and rotten cull trees.

Growing-stock volume.—Net volume in cubic feet of growing-stock trees 5 inches d.b.h. and over, from a 1-foot stump to a minimum 4-inch top diameter outside bark of the central stem.

Indian land.—Tribal land held in fee but administered by the Federal Government.

Logging residue.—The unused portions of trees cut or killed by logging.

National Forest land.—Federal land that has been legally designated as National Forest or purchase units, and other land under the administration of the USDA Forest Service.

Nonforest land.—Land that has never supported forests, and land formerly forested where use for timber management is precluded by development for other uses. Includes areas used for crops, improved pasture, residential areas, city parks, improved roads of any width and adjoining clearings, power line clearings of any width and 1- to 40-acre areas of water classified by the Bureau of the Census as land.

Poletimber trees.—Growing-stock trees of commercial species at least 5 inches d.b.h., but smaller than sawtimber size.

Primary wood-using mills.—Mills receiving roundwood or chips from roundwood for processing into products.

Primary wood-using mill residue.—Wood materials (coarse and fine) and bark generated at manufacturing plants from roundwood processed into principal products. These residues include wood products (byproducts) obtained incidental to production of principal products and wood materials not utilized for some product.

Coarse mill residue.—Wood residue suitable for chipping such as slabs, edgings, and veneer cores.

Fine mill residue.—Wood residue not suitable for chipping such as sawdust and veneer clippings.

Roundwood.—Logs and bolts from harvested trees including chips from harvested trees.

Saw log portion.—That part of the bole of sawtimber trees between the stump and the saw log top.

Saw log top.—The point on the bole of sawtimber trees above which a saw log cannot be produced. The minimum saw log top is 7 inches d.o.b. for softwoods and 9 inches d.o.b. for hardwoods.

Sawtimber trees.—Growing-stock trees of commercial species containing at least a 12-foot saw log or two noncontiguous saw logs 8 feet or longer, and meeting Regional specifications for freedom from defect. Softwoods must be at least 9 inches d.b.h. Hardwoods must be at least 11 inches d.b.h.

Standard cord.—A pile of logs 4 × 4 × 8 feet (128 cubic feet including air space and bark). A cord of fuelwood contains 70 cubic feet of wood and 58 cubic feet of bark and air space.

State land.—Land owned by States or land leased to these governmental units for 50 years or more.

Upper stem portion.—That part of the bole of sawtimber trees above the saw log top to a minimum top diameter of 4 inches outside bark.

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

SOUTHERN UNIT

Species group 1/	All sources	Source of fuelwood						
		Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands			Other sources
					Standing live trees	Logging waste	Dead trees	
Alexander County								
Oak	3	--	--	--	--	3	--	--
Hickory	1	--	--	--	--	1	--	--
All species	4	--	--	--	--	4	--	--
Franklin County								
Oak	2,089	1	766	110	595	72	535	10
White oak	599	--	60	--	485	--	54	--
Red oak	1,203	--	120	--	971	--	112	--
Hickory	390	--	5	35	188	5	154	3
Maple	160	--	1	--	67	--	92	--
Elm	125	--	1	--	62	--	62	--
Ash	117	--	--	--	56	2	57	2
Black cherry	3	--	1	--	--	2	--	--
Black walnut	564	--	--	--	--	564	--	--
Locust	1	--	1	--	--	--	--	--
Sassafras	551	--	55	--	446	--	50	--
Mixed hardwoods	2,162	47	2,115	--	--	--	--	--
Other hardwoods 2/	2	--	--	--	2	--	--	--
All species	7,966	48	3,125	145	2,872	645	1,116	15
Gallatin County								
Oak	78	--	--	--	2	--	76	--
Hickory	58	--	--	--	1	--	57	--
Pecan hickory	169	--	--	--	--	169	--	--
Elm	101	--	4	--	--	--	97	--
Ash	654	--	--	--	36	394	224	--
Sycamore	4	--	4	--	--	--	--	--
Sweet gum	4	--	4	--	--	--	--	--
Locust	58	--	--	--	1	--	57	--
Mixed hardwoods	272	--	--	--	130	--	142	--
All species	1,398	--	12	--	170	563	653	--

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

SOUTHERN UNIT

(Table 1 continued)

Species group	All sources	Source of fuelwood: Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
Hamilton County								
Oak	3,389	--	1,738	--	630	--	1,021	--
Hickory	1,728	--	537	--	532	--	659	--
Maple	1,031	--	56	--	476	--	499	--
Elm	117	--	29	--	22	--	66	--
Ash	1,068	--	708	--	83	--	277	--
Mixed hardwoods	1,215	--	1,215	--	--	--	--	--
All species	8,548	--	4,283	--	1,743	--	2,522	--
Hardin County								
Oak	1,069	--	400	601	2	41	25	--
Hickory	12	--	--	--	1	11	--	--
Mixed hardwoods	2,666	--	390	1,147	--	1	--	1,128
All species	3,747	--	790	1,748	3	53	25	1,128
Jackson County								
Oak	4,966	--	83	2,170	12	40	2,650	11
Hickory	488	--	79	278	7	18	90	16
Maple	117	--	--	117	--	--	--	--
Elm	254	--	254	--	--	--	--	--
Ash	201	--	191	--	1	5	1	3
Sycamore	5	--	--	--	--	--	5	--
Black cherry	2	--	--	--	--	--	--	2
Yellow-poplar	3	--	--	--	--	2	--	1
Locust	1	--	1	--	--	--	--	--
Honeylocust	3	--	--	--	--	2	--	1
Sassafras	3	--	--	--	--	2	--	1
Apple	42	--	--	4	--	--	38	--
Mixed hardwoods	947	--	--	782	66	--	99	--
All species	7,032	--	608	3,351	86	69	2,883	35

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

SOUTHERN UNIT

(Table 1 continued)

Species group	All sources	Source of fuelwood: Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
Johnson County								
Pine	1	--	1	--	--	--	--	--
Total softwoods	1	--	1	--	--	--	--	--
Oak	1,254	254	27	216	68	8	681	--
Hickory	161	85	8	--	41	--	27	--
Ash	141	85	5	--	28	--	18	5
Mixed hardwoods	99	--	99	--	--	--	--	--
Total hardwoods	1,655	424	139	216	137	8	726	5
All species	1,656	424	140	216	137	8	726	5
Massac County								
Oak	401	--	59	132	75	29	106	--
Hickory	181	--	1	12	5	128	35	--
Pecan hickory	27	--	27	--	--	--	--	--
Maple	30	--	30	--	--	--	--	--
Elm	31	--	27	--	4	--	--	--
Ash	18	--	--	1	16	1	--	--
Sweet gum	77	--	77	--	--	--	--	--
Blackgum	14	--	14	--	--	--	--	--
Sassafras	10	--	9	--	--	1	--	--
Mixed hardwoods	47	--	23	24	--	--	--	--
Other hardwoods	1	--	--	--	--	1	--	--
All species	837	--	267	169	100	160	141	--

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

SOUTHERN UNIT

(Table 1 continued)

Species group	All sources	Source of fuelwood: Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
Perry County								
Oak	4,702	13	739	701	211	--	3,038	--
Hickory	497	--	136	136	10	--	215	--
Maple	3	1	2	--	--	--	--	--
Elm	90	2	20	--	7	--	61	--
Ash	11	3	8	--	--	--	--	--
Sycamore	85	--	17	--	7	--	61	--
Black cherry	44	3	8	33	--	--	--	--
Mixed hardwoods	217	217	--	--	--	--	--	--
All species	5,649	239	930	870	235	--	3,375	--
Pope County								
Oak	1,461	--	298	694	452	4	13	--
Hickory	234	--	--	--	228	1	5	--
Ash	1,243	--	237	553	451	--	2	--
Sassafras	197	--	59	138	--	--	--	--
Mixed hardwoods	1,094	--	23	24	--	1	1,046	--
All species	4,229	--	617	1,409	1,131	6	1,066	--
Pulaski County								
Oak	4,609	--	2,302	305	957	9	1,036	--
Hickory	2,804	--	1,805	16	490	2	491	--
Maple	5	--	--	5	--	--	--	--
Elm	324	--	226	--	10	--	88	--
Ash	1,975	--	1,128	846	--	1	--	--
Hackberry	1	1	--	--	--	--	--	--
Black cherry	564	--	282	282	--	--	--	--
Locust	11	4	--	7	--	--	--	--
Black locust	3	--	--	--	2	--	1	--
Mixed hardwoods	979	--	157	314	254	--	254	--
All species	11,275	5	5,900	1,775	1,713	12	1,870	--

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

SOUTHERN UNIT

(Table 1 continued)

Species group	All sources	Source of fuelwood: Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
Randolph County								
Oak	4,667	577	1,156	64	1,378	--	1,492	--
Hickory	2,377	192	545	31	553	--	1,056	--
Pecan hickory	96	--	10	--	--	--	86	--
Maple	1,841	--	159	31	52	--	1,599	--
Elm	651	--	34	18	19	--	580	--
Ash	2,779	--	429	28	474	--	1,848	--
Sycamore	141	--	--	--	--	--	141	--
Black cherry	141	--	--	--	--	--	141	--
Sassafras	134	--	--	--	19	--	115	--
Mixed hardwoods	1,592	--	509	130	31	--	922	--
All species	14,419	769	2,842	302	2,526	--	7,980	--
Saline County								
Pine	33	--	25	--	--	--	3	5
Total softwoods	33	--	25	--	--	--	3	5
Oak	474	1	398	--	--	18	25	32
Hickory	8	--	--	--	--	2	--	6
Elm	1	--	--	--	--	--	--	1
Ash	178	--	113	--	32	--	33	--
Sycamore	169	--	169	--	--	--	--	--
Cottonwood	1	--	--	--	--	--	--	1
Black cherry	138	--	113	--	--	--	--	25
Mixed hardwoods	825	--	--	564	130	1	130	--
Total hardwoods	1,794	1	793	564	162	21	188	65
All species	1,827	1	818	564	162	21	191	70

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

SOUTHERN UNIT

(Table 1 continued)

Species group	All sources	Source of fuelwood: Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
Union County								
Redcedar	272	--	--	272	--	--	--	--
Total softwoods	272	--	--	272	--	--	--	--
Oak	5,356	--	1,933	894	494	525	1,508	2
Hickory	1,378	--	241	452	185	107	387	6
Maple	204	--	--	--	152	2	50	--
Elm	542	--	147	--	43	--	352	--
Ash	966	--	134	454	125	66	186	1
Hackberry	212	--	--	--	159	--	53	--
Black cherry	5	--	1	--	2	--	1	1
Yellow-poplar	1	--	--	--	1	--	--	--
Boxelder	127	--	127	--	--	--	--	--
Locust	1	--	1	--	--	--	--	--
Sassafras	272	--	--	272	--	--	--	--
Mixed hardwoods	754	--	--	10	452	--	292	--
Total hardwoods	9,818	--	2,584	2,082	1,613	700	2,829	10
All species	10,090	--	2,584	2,354	1,613	700	2,829	10
White County								
Oak	722	--	24	--	12	--	686	--
Hickory	694	--	3	--	--	--	691	--
Maple	86	--	1	--	--	--	85	--
Ash	536	--	5	446	--	--	85	--
Black cherry	9	--	9	--	--	--	--	--
Locust	5	--	5	--	--	--	--	--
Sassafras	2	--	1	--	--	--	1	--
Mixed hardwoods	212	--	--	118	--	--	94	--
All species	2,266	--	48	564	12	--	1,642	--

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

SOUTHERN UNIT

(Table 1 continued)

Species group	Source of fuelwood							
					Rural woodlands			
	All sources	Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Standing live trees	Logging waste	Dead trees	Other sources
				Williamson County				
Oak	2,348	14	368	1,109	357	--	471	29
White oak	104	--	104	--	--	--	--	--
Red oak	104	--	104	--	--	--	--	--
Hickory	329	--	104	168	--	--	12	45
Maple	1,005	390	493	49	--	--	73	--
Elm	138	1	104	--	--	--	23	10
Ash	714	--	354	353	--	--	1	6
Birch	16	--	--	--	--	--	16	--
Black cherry	350	--	9	--	163	--	172	6
Other cherry	130	--	130	--	--	--	--	--
Sassafras	17	--	8	--	--	--	9	--
Mixed hardwoods	2,277	--	--	408	186	--	1,683	--
Other hardwoods	94	94	--	--	--	--	--	--
All species	7,626	499	1,778	2,087	706	--	2,460	96

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

SOUTHERN UNIT

(Table 1 continued)

Species group	Source of fuelwood							
	All sources	Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
	All Counties							
Pine	34	--	26	--	--	--	3	5
Redcedar	272	--	--	272	--	--	--	--
Total softwoods	306	--	26	272	--	--	3	5
Oak	37,588	860	10,291	6,996	5,245	749	13,363	84
White oak	703	--	164	--	485	--	54	--
Red oak	1,307	--	224	--	971	--	112	--
Hickory	11,340	277	3,464	1,128	2,241	275	3,879	76
Pecan hickory	292	--	37	--	--	169	86	--
Maple	4,482	391	742	202	747	2	2,398	--
Elm	2,374	3	846	18	167	--	1,329	11
Ash	10,601	88	3,312	2,681	1,302	469	2,732	17
Sycamore	404	--	190	--	7	--	207	--
Cottonwood	1	--	--	--	--	--	--	1
Hackberry	213	1	--	--	159	--	53	--
Birch	16	--	--	--	--	--	16	--
Sweet gum	81	--	81	--	--	--	--	--
Blackgum	14	--	14	--	--	--	--	--
Black cherry	1,256	3	423	315	165	2	314	34
Other cherry	130	--	130	--	--	--	--	--
Black walnut	564	--	--	--	--	564	--	--
Yellow-poplar	4	--	--	--	1	2	--	1
Boxelder	127	--	127	--	--	--	--	--
Locust	77	4	8	7	1	--	57	--
Black locust	3	--	--	--	2	--	1	--
Honeylocust	3	--	--	--	--	2	--	1
Sassafras	1,186	--	132	410	465	3	175	1
Apple	42	--	--	4	--	--	38	--
Mixed hardwoods	15,358	264	4,531	3,521	1,249	3	4,662	1,128
Other hardwoods	97	94	--	--	2	1	--	--
Total hardwoods	88,263	1,985	24,716	15,282	13,209	2,241	29,476	1,354
All species	88,569	1,985	24,742	15,554	13,209	2,241	29,479	1,359

1/ As reported by fuelwood producers before prorating to individual species.

2/ Includes species such as Chinese elm, persimmon, butternut, hawthorn, dogwood, pear, etc.

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

CLAYPAN UNIT

(Table 1 continued)

Species group	All sources	Source of fuelwood: Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
Bond County								
Oak	2,273	--	9	1,086	677	423	78	--
Hickory	594	--	2	254	338	--	--	--
Basswood	169	--	--	--	169	--	--	--
Maple	271	--	--	--	70	141	60	--
Elm	86	--	1	--	85	--	--	--
Ash	1,045	--	28	310	645	--	62	--
Hackberry	40	--	21	19	--	--	--	--
Black cherry	249	--	2	--	239	--	8	--
Sassafras	169	--	--	--	169	--	--	--
Mixed hardwoods	1,934	--	326	917	677	--	14	--
Other hardwoods	127	--	--	--	--	--	127	--
All species	6,957	--	389	2,586	3,069	564	349	--
Calhoun County								
Oak	173	--	--	126	--	--	47	--
Hickory	25	--	--	25	--	--	--	--
Elm	20	--	--	20	--	--	--	--
Mixed hardwoods	519	--	--	--	--	519	--	--
All species	737	--	--	171	--	519	47	--
Clark County								
Oak	4,704	190	859	451	1,543	607	1,054	--
White oak	149	--	--	--	104	30	15	--
Hickory	1,597	66	393	226	288	395	229	--
Maple	477	10	255	--	--	212	--	--
Ash	3,454	--	2,995	226	116	--	117	--
Black cherry	629	19	490	--	60	--	60	--
Locust	3,666	--	2,538	--	564	--	564	--
Sassafras	1,340	32	962	226	60	--	60	--
Mixed hardwoods	646	--	--	--	177	45	424	--
All species	16,662	317	8,492	1,129	2,912	1,289	2,523	--

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

CLAYPAN UNIT

(Table 1 continued)

Species group	All sources	Source of fuelwood: Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
Clay County								
Pine	43	--	--	--	13	--	30	--
Total softwoods	43	--	--	--	13	--	30	--
Oak	960	--	300	269	126	--	265	--
Hickory	275	--	74	55	57	--	89	--
Maple	44	--	44	--	--	--	--	--
Ash	178	--	76	38	32	--	32	--
Mixed hardwoods	926	--	57	--	--	--	869	--
Total hardwoods	2,383	--	551	362	215	--	1,255	--
All species	2,426	--	551	362	228	--	1,285	--
Clinton County								
Oak	1,724	--	8	97	340	484	795	--
Hickory	127	--	3	5	23	37	59	--
Maple	24	--	--	--	--	12	12	--
Elm	29	--	3	--	2	12	12	--
Ash	1,666	47	10	193	--	735	681	--
Hackberry	34	--	--	--	7	17	10	--
Birch	37	--	--	--	7	19	11	--
Black cherry	74	--	1	1	23	12	37	--
Locust	159	--	1	28	61	57	12	--
Mulberry	15	--	--	--	15	--	--	--
Osage-orange	368	--	--	--	15	88	265	--
Mixed hardwoods	1,685	--	--	--	--	330	1,355	--
All species	5,942	47	26	324	493	1,803	3,249	--

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

CLAYPAN UNIT

(Table 1 continued)

Species group	All sources	Source of fuelwood: Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
Crawford County								
Oak	10,799	--	4,127	1,489	4,202	--	981	--
Hickory	2,081	3	310	403	1,133	--	232	--
Maple	505	10	185	310	--	--	--	--
Elm	466	--	--	310	156	--	--	--
Ash	2,808	--	1,063	279	1,247	--	219	--
Black cherry	674	19	370	155	130	--	--	--
Sassafras	649	32	617	--	--	--	--	--
Osage-orange	705	--	--	--	564	--	141	--
Other hardwoods	242	--	87	155	--	--	--	--
All species	18,929	64	6,759	3,101	7,432	--	1,573	--
Cumberland County								
Oak	1,076	--	--	131	350	--	595	--
Hickory	805	144	144	35	94	--	388	--
Maple	558	279	279	--	--	--	--	--
Elm	340	144	170	26	--	--	--	--
Ash	364	--	--	42	83	--	239	--
Black cherry	818	279	409	130	--	--	--	--
Locust	326	--	326	--	--	--	--	--
Mulberry	208	--	104	104	--	--	--	--
Mixed hardwoods	1,833	--	--	--	1,466	--	367	--
All species	6,328	846	1,432	468	1,993	--	1,589	--
Edwards County								
Oak	1,593	--	674	141	342	55	381	--
Hickory	507	--	490	--	--	17	--	--
Maple	931	--	914	--	--	17	--	--
Ash	85	--	68	--	--	17	--	--
Willow	85	--	68	--	--	17	--	--
Black walnut	423	--	42	--	171	19	191	--
Locust	117	--	117	--	--	--	--	--
Other hardwoods	423	--	42	--	171	19	191	--
All species	4,164	--	2,415	141	684	161	763	--

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

CLAYPAN UNIT

(Table 1 continued)

Species group	All sources	Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
				Source of fuelwood				
				Effingham County				
Oak	1,853	--	26	--	--	1,480	347	--
Hickory	1,198	--	3	846	--	9	340	--
Maple	15	15	--	--	--	--	--	--
Hard maple	2	--	--	--	--	1	1	--
Elm	14	12	--	--	--	1	1	--
Ash	846	--	--	846	--	--	--	--
Cottonwood	13	13	--	--	--	--	--	--
Black cherry	6	--	2	--	--	4	--	--
Black walnut	2	--	--	--	--	1	1	--
Locust	6	--	2	--	--	4	--	--
Other hardwoods	2	--	--	--	--	1	1	--
All species	3,957	40	33	1,692	--	1,501	691	--
				Fayette County				
Oak	5,087	--	65	--	957	50	4,015	--
Red oak	760	--	760	--	--	--	--	--
Hickory	1,686	--	65	--	207	79	1,335	--
Mixed hardwoods	397	--	--	--	131	135	131	--
All species	7,930	--	890	--	1,295	264	5,481	--
				Greene County				
Oak	3,582	74	248	--	495	2,765	--	--
White oak	384	--	192	--	--	--	192	--
Hickory	2,508	20	104	--	6	2,276	102	--
Maple	869	--	391	--	96	382	--	--
Elm	711	--	355	271	--	--	85	--
Ash	441	--	132	--	117	118	74	--
Black cherry	113	--	56	--	--	--	57	--
Black walnut	34	--	17	17	--	--	--	--
Locust	215	--	107	51	--	--	57	--
Mixed hardwoods	250	14	--	109	--	--	127	--
All species	9,107	108	1,602	448	714	5,541	694	--

(Table 1 continued on next page)

(In standard cords)

CLAYPAN UNIT

(Table 1 continued)

Species group	Source of fuelwood							
	All sources	Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
Jersey County								
Oak	4,606	--	8	503	724	--	3,371	--
White oak	272	--	--	--	--	272	--	--
Hickory	653	--	--	1	85	182	385	--
Maple	1,721	--	--	1,481	--	--	240	--
Elm	431	--	67	68	--	--	296	--
Ash	778	--	--	1	55	454	268	--
Black walnut	9	--	4	4	--	--	1	--
Locust	25	--	12	13	--	--	--	--
Black locust	296	--	--	--	--	--	296	--
Osage-orange	519	--	--	--	156	--	363	--
Mixed hardwoods	1,692	14	141	1,128	--	--	409	--
All species	11,002	14	232	3,199	1,020	908	5,629	--
Lawrence County								
Oak	115	--	3	--	21	91	--	--
Hickory	109	--	1	--	21	87	--	--
Maple	1	--	1	--	--	--	--	--
Elm	1	--	1	--	--	--	--	--
Ash	899	--	3	--	172	668	56	--
Sassafras	584	--	29	--	55	--	500	--
Mixed hardwoods	389	--	--	389	--	--	--	--
All species	2,098	--	38	389	269	846	556	--
Macoupin County								
Oak	1,194	431	276	287	191	3	6	--
White oak	175	--	--	--	--	175	--	--
Hickory	614	--	516	48	--	50	--	--
Maple	593	222	276	--	95	--	--	--
Elm	445	22	--	423	--	--	--	--
Ash	29	--	--	--	--	26	3	--
Willow	88	88	--	--	--	--	--	--
Black cherry	387	11	276	5	95	--	--	--
Black walnut	91	88	--	--	--	1	2	--
Osage-orange	1,793	143	1,059	591	--	--	--	--
Mixed hardwoods	282	141	70	--	14	--	57	--
Other hardwoods	43	43	--	--	--	--	--	--
All species	5,734	1,189	2,473	1,354	395	255	68	--

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

CLAYPAN UNIT

(Table 1 continued)

Species group	All sources	Source of fuelwood: Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
Jasper County								
Oak	1,946	--	--	--	--	--	1,946	--
Hickory	705	--	--	--	352	--	353	--
Elm	705	--	--	--	352	--	353	--
All species	3,356	--	--	--	704	--	2,652	--
Jefferson County								
Redcedar	2	--	1	1	--	--	--	--
Total softwoods	2	--	1	1	--	--	--	--
Oak	2,064	232	278	1,071	224	96	163	--
White oak	367	--	183	184	--	--	--	--
Hickory	603	100	156	278	34	12	23	--
Maple	357	19	19	43	25	236	15	--
Elm	76	19	19	19	3	6	10	--
Ash	117	17	22	37	18	9	14	--
Hackberry	76	19	19	19	3	6	10	--
Birch	113	--	--	--	--	113	--	--
Black cherry	113	--	--	--	--	113	--	--
Sassafras	21	--	--	--	17	--	4	--
Mixed hardwoods	94	--	--	--	--	--	94	--
Other hardwoods	113	--	--	--	--	113	--	--
Total hardwoods	4,114	406	696	1,651	324	704	333	--
All species	4,116	406	697	1,652	324	704	333	--

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

CLAYPAN UNIT

(Table 1 continued)

Species group	All sources	Source of fuelwood: Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
				Madison County				
Pine	705	705	--	--	--	--	--	--
Redcedar	9	9	--	--	--	--	--	--
Total softwoods	714	714	--	--	--	--	--	--
Oak	5,540	867	1,019	1,714	1,320	36	583	1
White oak	458	--	186	45	--	--	227	--
Hickory	686	35	--	35	579	22	14	1
Maple	3,030	721	599	880	642	2	186	--
Soft maple	125	--	125	--	--	--	--	--
Elm	1,501	476	96	143	725	23	38	--
Ash	2,610	--	2	1,937	151	6	514	--
Sycamore	683	141	--	--	415	--	127	--
Cottonwood	618	402	83	--	89	--	44	--
Willow	94	--	--	--	89	--	5	--
Hackberry	1,188	--	128	--	1,060	--	--	--
Birch	297	--	--	--	297	--	--	--
Black cherry	408	11	--	--	327	--	70	--
Black walnut	111	--	106	--	--	--	4	1
Boxelder	186	--	--	--	186	--	--	--
Locust	464	--	65	16	288	10	85	--
Honeylocust	282	211	--	--	--	--	71	--
Osage-orange	133	--	--	13	89	19	12	--
Apple	70	35	--	35	--	--	--	--
Mixed hardwoods	4,976	1,758	1,640	827	46	--	705	--
Total hardwoods	23,460	4,657	4,049	5,645	6,303	118	2,685	3
All species	24,174	5,371	4,049	5,645	6,303	118	2,685	3

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

CLAYPAN UNIT

(Table 1 continued)

Species group	All sources	Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
				Source of fuelwood				
Marion County								
Oak	1,724	10	294	28	2	1,220	170	--
Red oak	423	--	211	--	32	--	180	--
Hickory	2,266	2	355	8	467	568	866	--
Maple	776	2	76	2	--	1	695	--
Elm	111	2	104	2	--	1	2	--
Ash	503	2	111	2	--	339	49	--
Hackberry	9	2	2	2	--	1	2	--
Black cherry	2	--	--	2	--	--	--	--
Locust	24	--	--	--	--	--	24	--
Mixed hardwoods	3,145	--	155	--	530	89	2,371	--
All species	8,983	20	1,308	46	1,031	2,219	4,359	--
Monroe County								
Oak	1,636	--	55	1,284	127	--	170	--
Hickory	831	--	40	720	14	--	57	--
Maple	469	--	--	243	113	--	113	--
Elm	76	--	11	65	--	--	--	--
Black cherry	104	--	--	104	--	--	--	--
Mixed hardwoods	1,685	--	8	509	479	--	689	--
All species	4,801	--	114	2,925	733	--	1,029	--
Montgomery County								
Oak	886	--	378	--	15	--	493	--
White oak	149	--	--	--	104	30	15	--
Red oak	217	--	--	--	11	--	206	--
Hickory	193	--	186	7	--	--	--	--
Maple	265	130	--	135	--	--	--	--
Birch	65	65	--	--	--	--	--	--
Black cherry	85	--	--	--	3	--	82	--
Locust	254	--	--	--	8	--	246	--
Osage-orange	765	130	--	71	113	--	451	--
Mixed hardwoods	4,651	--	--	--	4,520	109	22	--
All species	7,530	325	564	213	4,774	139	1,515	--

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

CLAYPAN UNIT

(Table 1 continued)

Species group	All sources	Source of fuelwood: Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
			Richland County					
Oak	645	--	581	64	--	--	--	--
Hickory	147	--	115	32	--	--	--	--
Ash	166	--	134	32	--	--	--	--
Mixed hardwoods	1,788	--	1,255	14	--	--	519	--
All species	2,746	--	2,085	142	--	--	519	--
			St Clair County					
Pine	239	--	239	--	--	--	--	--
Total softwoods	239	--	239	--	--	--	--	--
Oak	6,444	1,378	413	556	537	528	3,032	--
Hickory	3,768	380	443	354	444	412	1,735	--
Maple	639	--	47	--	118	--	474	--
Elm	1,120	688	--	55	112	--	265	--
Ash	950	480	48	97	100	--	225	--
Sycamore	564	--	564	--	--	--	--	--
Cottonwood	564	84	85	--	99	59	237	--
Willow	259	--	259	--	--	--	--	--
Hackberry	34	--	--	--	7	17	10	--
Birch	77	40	--	--	7	19	11	--
Black cherry	3	--	1	2	--	--	--	--
Black walnut	254	--	--	76	--	--	178	--
Locust	1	--	1	--	--	--	--	--
Apple	248	--	248	--	--	--	--	--
Mixed hardwoods	2,618	677	823	97	--	--	1,021	--
Other hardwoods	62	--	62	--	--	--	--	--
Total hardwoods	17,605	3,727	2,994	1,237	1,424	1,035	7,188	--
All species	17,844	3,727	3,233	1,237	1,424	1,035	7,188	--

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

CLAYPAN UNIT

(Table 1 continued)

Species group	All sources	Source of fuelwood: Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
Shelby County								
Oak	4,694	6	353	564	1,348	21	2,402	--
Hickory	1,635	259	90	548	82	5	651	--
Maple	1,181	10	16	717	68	4	366	--
Elm	515	--	--	--	--	--	515	--
Ash	186	--	64	54	55	3	10	--
Cottonwood	623	31	--	592	--	--	--	--
Hackberry	273	--	16	68	130	4	55	--
Black cherry	141	--	--	--	106	--	35	--
Black walnut	6	--	--	--	--	--	6	--
Locust	169	--	16	68	68	4	13	--
Osage-orange	10	--	--	10	--	--	--	--
Mixed hardwoods	109	--	--	109	--	--	--	--
Other hardwoods	10	--	--	10	--	--	--	--
All species	9,553	306	555	2,740	1,857	41	4,053	--
Wabash County								
Oak	1,832	226	1,093	--	328	71	114	--
Hickory	2,426	--	1,213	--	1,213	--	--	--
Maple	1,025	--	340	--	342	--	343	--
Elm	143	--	29	--	57	--	57	--
Ash	10	--	--	--	--	10	--	--
Black cherry	113	--	113	--	--	--	--	--
Sassafras	60	--	60	--	--	--	--	--
Mulberry	143	--	29	--	57	--	57	--
Osage-orange	4	--	4	--	--	--	--	--
Apple	38	--	38	--	--	--	--	--
Mixed hardwoods	760	--	--	--	760	--	--	--
Other hardwoods	9	--	9	--	--	--	--	--
All species	6,563	226	2,928	--	2,757	81	571	--

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

CLAYPAN UNIT

(Table 1 continued)

Species group	Source of fuelwood							
					Rural woodlands			
	All sources	Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Standing live trees	Logging waste	Dead trees	Other sources
				Washington County				
Oak	5,083	46	489	2,315	35	--	2,198	--
White oak	564	--	--	--	451	--	113	--
Hickory	3,501	3	306	2,260	338	--	594	--
Maple	85	--	--	--	--	--	85	--
Elm	1,128	--	--	--	373	--	755	--
Hackberry	608	--	608	--	--	--	--	--
Black cherry	304	--	304	--	--	--	--	--
Mixed hardwoods	2,058	--	--	--	995	--	1,063	--
All species	13,331	49	1,707	4,575	2,192	--	4,808	--
				Wayne County				
Oak	6,490	--	1,682	1,960	1,949	109	790	--
Hickory	1,702	--	789	217	226	35	435	--
Maple	85	--	68	--	--	17	--	--
Elm	169	--	169	--	--	--	--	--
Ash	1,021	--	693	28	7	23	270	--
Willow	85	--	68	--	--	17	--	--
Black cherry	147	--	--	21	22	--	104	--
Mixed hardwoods	476	--	--	321	--	--	155	--
Other hardwoods	169	--	169	--	--	--	--	--
All species	10,344	--	3,638	2,547	2,204	201	1,754	--

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

CLAYPAN UNIT

(Table 1 continued)

Species group	Source of fuelwood							
	All sources	Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
	All Counties							
Pine	987	705	239	--	13	--	30	--
Redcedar	11	9	1	1	--	--	--	--
Total softwoods	998	714	240	1	13	--	30	--
Oak	78,723	3,460	13,238	14,136	15,853	8,039	23,996	1
White oak	2,518	--	561	229	659	507	562	--
Red oak	1,400	--	971	--	43	--	386	--
Hickory	31,242	1,012	5,798	6,357	6,001	4,186	7,887	1
Basswood	169	--	--	--	169	--	--	--
Maple	13,921	1,418	3,510	3,811	1,569	1,024	2,589	--
Hard maple	2	--	--	--	--	1	1	--
Soft maple	125	--	125	--	--	--	--	--
Elm	8,087	1,363	1,025	1,402	1,865	43	2,389	--
Ash	18,156	546	5,449	4,122	2,798	2,408	2,833	--
Sycamore	1,247	141	564	--	415	--	127	--
Cottonwood	1,818	530	168	592	188	59	281	--
Willow	611	88	395	--	89	34	5	--
Hackberry	2,262	21	794	108	1,207	45	87	--
Birch	589	105	--	--	311	151	22	--
Black cherry	4,370	339	2,024	420	1,005	129	453	--
Black walnut	930	88	169	97	171	21	383	1
Boxelder	186	--	--	--	186	--	--	--
Locust	5,426	--	3,185	176	989	75	1,001	--
Black locust	296	--	--	--	--	--	296	--
Honeylocust	282	211	--	--	--	--	71	--
Sassafras	2,823	64	1,668	226	301	--	564	--
Mulberry	366	--	133	104	72	--	57	--
Osage-orange	4,297	273	1,063	685	937	107	1,232	--
Apple	356	35	286	35	--	--	--	--
Mixed hardwoods	32,913	2,604	4,475	4,420	9,795	1,227	10,392	--
Other hardwoods	1,200	43	369	165	171	133	319	--
Total hardwoods	214,315	12,341	45,970	37,085	44,794	18,189	55,933	3
All species	215,313	13,055	46,210	37,086	44,807	18,189	55,963	3

1/ As reported by fuelwood producers before prorating to individual species.

2/ Includes species such as Chinese elm, persimmon, butternut, hawthorn, dogwood, pear, etc.

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

PRAIRIE UNIT

(Table 1 continued)

Species group	All sources	Source of fuelwood: Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
Adams County								
Pine	369	--	109	--	--	--	260	--
Redcedar	167	--	141	--	--	--	26	--
Total softwoods	536	--	250	--	--	--	286	--
Oak	8,943	849	3,038	3,361	255	491	949	--
Hickory	1,534	2	1	954	218	210	149	--
Maple	439	270	--	169	--	--	--	--
Elm	2,110	--	718	1,153	5	--	234	--
Ash	280	--	--	232	2	--	46	--
Willow	180	--	180	--	--	--	--	--
Birch	574	574	--	--	--	--	--	--
Black cherry	141	--	141	--	--	--	--	--
Black walnut	216	--	1	--	193	--	22	--
Boxelder	186	--	--	--	--	--	186	--
Locust	221	--	110	111	--	--	--	--
Mulberry	71	--	71	--	--	--	--	--
Osage-orange	560	100	353	107	--	--	--	--
Mixed hardwoods	1,103	--	1,002	47	9	--	45	--
Other hardwoods	843	843	--	--	--	--	--	--
Total hardwoods	17,401	2,638	5,615	6,134	682	701	1,631	--
All species	17,937	2,638	5,865	6,134	682	701	1,917	--
Boone County								
Oak	2,407	5	2	832	7	4	1,557	--
Hickory	769	1	--	91	--	--	677	--
Maple	325	--	--	325	--	--	--	--
Elm	529	--	--	--	--	--	529	--
Ash	166	160	--	1	--	1	4	--
Birch	4	--	--	--	1	--	3	--
Black cherry	117	1	--	106	2	1	7	--
Black walnut	226	--	--	--	--	--	226	--
Apple	7	--	--	1	1	1	4	--
Mixed hardwoods	72	72	--	--	--	--	--	--
All species	4,622	239	2	1,356	11	7	3,007	--

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

PRAIRIE UNIT

(Table 1 continued)

Species group	All sources	Source of fuelwood: Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
Brown County								
Oak	330	--	--	213	18	18	81	--
Hickory	169	--	162	3	2	2	--	--
Maple	338	--	331	3	2	2	--	--
Elm	56	--	--	56	--	--	--	--
Ash	67	--	--	57	--	--	10	--
Cottonwood	56	--	--	28	14	14	--	--
Black cherry	11	--	--	1	--	--	10	--
Black walnut	71	--	71	--	--	--	--	--
Black locust	141	--	141	--	--	--	--	--
Mixed hardwoods	778	--	--	--	--	--	778	--
All species	2,017	--	705	361	36	36	879	--
Bureau County								
Oak	1,494	--	--	84	17	--	1,393	--
White oak	22	--	--	22	--	--	--	--
Hickory	56	--	--	--	--	--	56	--
Maple	289	--	--	--	--	--	289	--
Elm	135	--	--	--	--	--	135	--
Willow	56	--	--	--	--	--	56	--
Black cherry	6	--	--	6	--	--	--	--
Black walnut	135	--	--	--	--	--	135	--
Boxelder	113	--	--	56	11	--	46	--
Osage-orange	846	--	--	423	85	--	338	--
Apple	42	--	--	--	--	--	42	--
All species	3,194	--	--	591	113	--	2,490	--

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

PRAIRIE UNIT

(Table 1 continued)

Species group	All sources	Source of fuelwood: Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
				Carroll County				
Oak	716	--	--	118	479	--	119	--
Hickory	38	--	--	19	--	--	19	--
Maple	107	--	--	64	--	--	43	--
Willow	56	--	--	--	56	--	--	--
Black cherry	21	--	--	10	--	--	11	--
Black walnut	49	--	--	10	28	--	11	--
Mulberry	3	--	--	3	--	--	--	--
Apple	24	--	--	13	--	--	11	--
Mixed hardwoods	423	--	--	--	--	--	423	--
All species	1,437	--	--	237	563	--	637	--
				Cass County				
Oak	720	--	--	106	--	50	564	--
Hickory	11	--	--	--	10	--	1	--
Maple	13	--	--	--	--	12	1	--
Elm	35	--	--	35	--	--	--	--
Black walnut	1	--	--	--	--	1	--	--
Locust	99	--	--	--	89	--	10	--
Mixed hardwoods	1,100	--	--	--	--	--	1,100	--
All species	1,979	--	--	141	99	63	1,676	--

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

(Table 1 continued)

PRAIRIE UNIT

Species group	Source of fuelwood							
	All sources	Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
				Champaign County				
Pine	97	97	--	--	--	--	--	--
Redcedar	30	30	--	--	--	--	--	--
Total softwoods	127	127	--	--	--	--	--	--
Oak	874	324	6	533	--	--	11	--
Basswood	50	--	50	--	--	--	--	--
Maple	808	658	150	--	--	--	--	--
Elm	1,330	1,090	141	34	--	--	65	--
Ash	153	--	--	153	--	--	--	--
Sycamore	201	4	67	--	--	--	130	--
Cottonwood	769	44	--	725	--	--	--	--
Willow	55	55	--	--	--	--	--	--
Hackberry	165	35	--	130	--	--	--	--
Birch	73	73	--	--	--	--	--	--
Black cherry	163	33	--	130	--	--	--	--
Other cherry	59	59	--	--	--	--	--	--
Black walnut	390	--	--	390	--	--	--	--
Locust	295	295	--	--	--	--	--	--
Osage-orange	2,179	--	1,654	469	--	--	56	--
Apple	80	80	--	--	--	--	--	--
Mixed hardwoods	1,520	130	6	852	--	--	532	--
Other hardwoods	67	67	--	--	--	--	--	--
Total hardwoods	9,231	2,947	2,074	3,416	--	--	794	--
All species	9,358	3,074	2,074	3,416	--	--	794	--

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

PRAIRIE UNIT

(Table 1 continued)

Species group	All sources	Source of fuelwood: Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
				Christian County				
Oak	2,142	--	159	1,284	--	48	651	--
White oak	442	288	--	--	108	31	15	--
Hickory	71	--	--	--	--	--	71	--
Maple	59	--	--	--	--	--	59	--
Willow	279	279	--	--	--	--	--	--
Hackberry	564	--	--	--	--	--	564	--
Black walnut	1,036	279	109	13	--	--	635	--
Locust	212	--	53	--	--	16	143	--
Mixed hardwoods	935	--	--	--	372	46	517	--
All species	5,740	846	321	1,297	480	141	2,655	--
				Coles County				
Oak	1,613	163	--	--	216	1,037	197	--
Hickory	389	--	--	--	194	--	195	--
Maple	353	--	--	--	7	346	--	--
Black cherry	54	54	--	--	--	--	--	--
Black walnut	71	--	--	--	35	--	36	--
Osage-orange	338	--	338	--	--	--	--	--
Mixed hardwoods	1,438	--	--	616	--	822	--	--
Other hardwoods	71	--	--	--	35	--	36	--
All species	4,327	217	338	616	487	2,205	464	--

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

PRAIRIE UNIT

(Table 1 continued)

Species group	All sources	Source of fuelwood: Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
				Cook County				
Pine	1,511	569	5	--	--	--	937	--
Total softwoods	1,511	569	5	--	--	--	937	--
Oak	69,683	15,886	17,022	1,246	2	--	35,526	1
Hickory	18,914	2,481	205	105	9,552	--	6,571	--
Basswood	379	379	--	--	--	--	--	--
Maple	30,360	20,213	1,241	801	3,991	--	4,114	--
Elm	8,393	8,380	13	--	--	--	--	--
Ash	2,293	18	--	--	--	--	2,275	--
Cottonwood	7,194	4,920	--	--	--	--	2,274	--
Willow	1,657	926	--	--	--	--	731	--
Birch	534	534	--	--	--	--	--	--
Black cherry	3,165	1,231	739	455	--	--	740	--
Black walnut	4	1	1	1	1	--	--	--
Boxelder	716	14	--	--	--	--	702	--
Osage-orange	13	--	13	--	--	--	--	--
Apple	290	290	--	--	--	--	--	--
Mixed hardwoods	12,227	11,023	--	--	749	--	455	--
Total hardwoods	155,822	66,296	19,234	2,608	14,295	--	53,388	1
All species	157,333	66,865	19,239	2,608	14,295	--	54,325	1

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

PRAIRIE UNIT

(Table 1 continued)

Species group	All sources	Source of fuelwood						
		Cities and villages	Windbreaks, fencerows and rural yards	Pasture and cropland	Rural woodlands			Other sources
					Standing live trees	Logging waste	Dead trees	
De Kalb County								
Oak	3,141	21	344	--	19	--	2,757	--
Hickory	359	--	312	--	--	--	47	--
Maple	365	270	--	--	10	--	85	--
Soft maple	31	--	31	--	--	--	--	--
Elm	55	55	--	--	--	--	--	--
Ash	31	--	31	--	--	--	--	--
Willow	71	--	71	--	--	--	--	--
Black cherry	177	11	71	--	10	--	85	--
Black walnut	55	55	--	--	--	--	--	--
Mixed hardwoods	908	8	838	62	--	--	--	--
Other hardwoods	141	--	141	--	--	--	--	--
All species	5,334	420	1,839	62	39	--	2,974	--
De Witt County								
Oak	3	--	--	3	--	--	--	--
Maple	26	--	--	26	--	--	--	--
Osage-orange	3	--	--	3	--	--	--	--
Mixed hardwoods	1,241	--	56	733	--	--	452	--
All species	1,273	--	56	765	--	--	452	--
Douglas County								
Oak	257	--	--	7	54	--	196	--
Hickory	215	--	--	--	54	--	161	--
Ash	85	--	--	--	--	--	85	--
Sassafras	6	--	--	3	--	--	3	--
Osage-orange	592	--	--	--	237	--	355	--
Mixed hardwoods	10	--	--	--	--	--	--	10
All species	1,165	--	--	10	345	--	800	10

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

PRAIRIE UNIT

(Table 1 continued)

Species group	All sources	Source of fuelwood: Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
Dupage County								
Oak	9,619	8,201	1,395	2	2	--	18	1
Hickory	5	2	1	1	1	--	--	--
Maple	826	780	15	15	12	--	4	--
Elm	10,804	2,587	1,393	--	4,093	--	2,731	--
Ash	6,368	6,368	--	--	--	--	--	--
Cottonwood	1	1	--	--	--	--	--	--
Willow	1	1	--	--	--	--	--	--
Black cherry	2	2	--	--	--	--	--	--
Black walnut	4	1	1	1	1	--	--	--
Mixed hardwoods	1,549	1,532	--	--	17	--	--	--
All species	29,179	19,475	2,805	19	4,126	--	2,753	1
Edgar County								
Oak	393	--	--	--	--	--	393	--
Maple	1,544	--	--	--	288	--	1,256	--
Cottonwood	1,049	--	--	--	--	--	1,049	--
Black cherry	203	--	11	3	47	--	142	--
Black walnut	582	--	--	--	47	--	535	--
Sassafras	51	--	41	10	--	--	--	--
Osage-orange	191	--	5	--	46	--	140	--
Apple	582	--	--	--	47	--	535	--
Mixed hardwoods	144	--	2	1	--	--	141	--
All species	4,739	--	59	14	475	--	4,191	--

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

PRAIRIE UNIT

(Table 1 continued)

Species group	All sources	Source of fuelwood: Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
				Ford County				
Oak	508	254	--	--	127	--	127	--
Hickory	338	169	--	--	84	--	85	--
Maple	121	8	113	--	--	--	--	--
Elm	3	3	--	--	--	--	--	--
Ash	8	8	--	--	--	--	--	--
Hackberry	1	1	--	--	--	--	--	--
Mixed hardwoods	217	--	--	--	--	--	217	--
All species	1,196	443	113	--	211	--	429	--
				Fulton County				
Pine	11	--	--	1	--	10	--	--
Total softwoods	11	--	--	1	--	10	--	--
Oak	4,466	414	776	606	566	574	1,237	293
Red oak	282	--	--	--	282	--	--	--
Hickory	316	--	3	6	69	124	114	--
Maple	1,446	130	750	73	93	89	278	33
Elm	1,623	218	750	9	59	125	462	--
Ash	18	--	--	--	5	--	13	--
Cottonwood	261	130	--	--	33	--	98	--
Willow	156	--	3	5	29	30	89	--
Black cherry	286	65	3	5	45	30	138	--
Black walnut	501	65	--	1	1	10	424	--
Locust	186	130	--	--	--	--	56	--
Black locust	2,075	--	--	--	622	--	1,453	--
Mulberry	130	130	--	--	--	--	--	--
Mixed hardwoods	595	65	--	141	39	27	323	--
Total hardwoods	12,341	1,347	2,285	846	1,843	1,009	4,685	326
All species	12,352	1,347	2,285	847	1,843	1,019	4,685	326

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

PRAIRIE UNIT

(Table 1 continued)

Species group	All sources	Source of fuelwood: Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
Grundy County								
Oak	4,814	232	560	48	2,319	--	1,655	--
Hickory	2,466	38	136	3	2,251	--	38	--
Maple	912	--	78	--	--	--	834	--
Elm	443	362	--	--	--	--	81	--
Ash	2,507	29	--	--	2,251	--	227	--
Cottonwood	282	282	--	--	--	--	--	--
Hackberry	6,140	--	6,140	--	--	--	--	--
Black cherry	85	42	--	--	--	--	43	--
Boxelder	19	--	19	--	--	--	--	--
Osage-orange	400	--	400	--	--	--	--	--
Apple	19	--	19	--	--	--	--	--
Mixed hardwoods	649	--	--	--	--	--	649	--
All species	18,736	985	7,352	51	6,821	--	3,527	--
Hancock County								
Oak	12,803	--	1,613	34	9,395	995	766	--
Hickory	3,110	98	1,511	116	883	288	214	--
Maple	1,166	201	277	206	69	12	401	--
Elm	451	--	45	6	96	261	43	--
Ash	2,196	--	32	5	2,145	7	7	--
Black cherry	511	53	296	53	87	11	11	--
Locust	272	--	--	272	--	--	--	--
Osage-orange	3,518	--	3,116	272	--	--	130	--
Mixed hardwoods	141	--	--	--	--	--	141	--
All species	24,168	352	6,890	964	12,675	1,574	1,713	--

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

PRAIRIE UNIT

(Table 1 continued)

Species group	All sources	Source of fuelwood: Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
				Henderson County				
Oak	1,407	1	305	708	160	67	166	--
Hickory	262	--	160	25	39	19	19	--
Maple	123	--	91	8	12	6	6	--
Elm	328	--	55	222	13	17	21	--
Ash	81	--	49	8	12	6	6	--
Cottonwood	6	--	6	--	--	--	--	--
Hackberry	56	--	--	50	--	2	4	--
Black cherry	677	--	--	--	338	--	339	--
Boxelder	56	--	--	50	--	2	4	--
Locust	173	12	--	155	--	2	4	--
Mixed hardwoods	795	65	--	730	--	--	--	--
All species	3,964	78	666	1,956	574	121	569	--
				Henry County				
Oak	8,653	3	3,045	98	613	564	4,330	--
Maple	1,077	298	282	--	208	--	215	74
Elm	5,875	287	2,418	1,489	--	--	1,613	68
Ash	146	108	--	--	1	--	10	27
Cottonwood	7	--	7	--	--	--	--	--
Birch	1,128	--	384	372	--	--	372	--
Black cherry	161	--	107	11	--	--	--	43
Black walnut	195	1	53	--	--	--	141	--
Mulberry	56	--	28	--	--	--	--	28
Osage-orange	519	--	519	--	--	--	--	--
Apple	180	--	--	--	--	--	180	--
Mixed hardwoods	2,337	--	702	--	459	--	1,176	--
Other hardwoods	7	--	7	--	--	--	--	--
All species	20,341	697	7,552	1,970	1,281	564	8,037	240

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

PRAIRIE UNIT

(Table 1 continued)

Species group	All sources	Source of fuelwood: Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
Iroquois County								
Pine	42	--	42	--	--	--	--	--
Total softwoods	42	--	42	--	--	--	--	--
Oak	7,091	--	2,229	3,262	362	281	957	--
Red oak	782	--	156	--	--	--	626	--
Hickory	1,301	--	63	1,115	61	--	62	--
Maple	2,415	--	1,960	455	--	--	--	--
Ash	1,115	--	292	635	--	94	94	--
Cottonwood	4,301	--	31	64	2,117	--	2,089	--
Willow	113	--	--	113	--	--	--	--
Hackberry	141	--	141	--	--	--	--	--
Birch	2,486	--	1,872	561	50	--	3	--
Black walnut	218	--	--	176	--	--	42	--
Locust	240	--	240	--	--	--	--	--
Osage-orange	308	--	39	113	--	--	156	--
Apple	2,274	--	1,819	455	--	--	--	--
Mixed hardwoods	1,149	451	395	303	--	--	--	--
Total hardwoods	23,934	451	9,237	7,252	2,590	375	4,029	--
All species	23,976	451	9,279	7,252	2,590	375	4,029	--
Jo Daviess County								
Oak	8,423	--	612	454	--	135	7,222	--
Hickory	481	--	--	15	--	135	331	--
Basswood	56	--	--	--	--	17	39	--
Maple	5,713	--	440	34	--	34	5,205	--
Elm	5,550	--	137	796	--	17	4,600	--
Ash	1,410	--	141	--	--	--	1,269	--
Birch	564	--	--	--	--	--	564	--
Black cherry	17	--	--	8	--	--	9	--
Black walnut	240	--	--	8	--	--	232	--
Black locust	454	--	--	--	--	--	454	--
Apple	64	--	47	8	--	--	9	--
Mixed hardwoods	3,070	--	437	195	--	--	2,438	--
All species	26,042	--	1,814	1,518	--	338	22,372	--

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

PRAIRIE UNIT

(Table 1 continued)

Species group	All sources	Source of fuelwood: Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
			Kane County					
Oak	8,438	3,972	1,358	240	2	--	2,866	--
Hickory	278	115	1	2	1	--	159	--
Maple	740	13	470	242	12	--	3	--
Elm	5,415	426	1,819	1,592	789	--	789	--
Birch	159	--	--	--	--	--	159	--
Black walnut	4	1	1	1	1	--	--	--
Boxelder	1,933	--	--	227	853	--	853	--
Mixed hardwoods	2,732	1,751	--	--	490	--	491	--
All species	19,699	6,278	3,649	2,304	2,148	--	5,320	--
			Kankakee County					
Pine	4	--	2	--	--	--	2	--
Total softwoods	4	--	2	--	--	--	2	--
Oak	6,243	1,403	1,244	2,201	362	--	1,033	--
Hickory	401	38	96	127	61	--	79	--
Maple	3,139	2,575	141	282	141	--	--	--
Elm	1,520	105	994	284	--	--	137	--
Ash	515	29	1	4	423	--	58	--
Cottonwood	127	--	31	64	30	--	2	--
Birch	219	7	53	106	50	--	3	--
Black cherry	327	42	--	--	--	--	285	--
Boxelder	127	--	--	--	--	--	127	--
Osage-orange	14	--	--	--	--	--	14	--
Apple	214	--	1	4	--	--	209	--
Mixed hardwoods	8,288	599	6,998	458	56	--	177	--
Total hardwoods	21,134	4,798	9,559	3,530	1,123	--	2,124	--
All species	21,138	4,798	9,561	3,530	1,123	--	2,126	--

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

PRAIRIE UNIT

(Table 1 continued)

Species group	All sources	Source of fuelwood: Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
Kendall County								
Redcedar	637	--	637	--	--	--	--	--
Total softwoods	637	--	637	--	--	--	--	--
Oak	27,537	8,641	1,909	3,616	--	--	13,371	--
Hickory	7,368	6,822	--	546	--	--	--	--
Maple	2,785	--	1,910	--	219	--	656	--
Elm	114	--	--	--	--	--	114	--
Ash	1,547	--	637	--	--	--	910	--
Willow	755	--	--	--	--	--	755	--
Black walnut	4,093	--	819	614	--	--	2,660	--
Osage-orange	1,421	--	1,421	--	--	--	--	--
Total hardwoods	45,620	15,463	6,696	4,776	219	--	18,466	--
All species	46,257	15,463	7,333	4,776	219	--	18,466	--
Knox County								
Pine	42	13	29	--	--	--	--	--
Total softwoods	42	13	29	--	--	--	--	--
Oak	2,474	13	306	136	123	113	1,783	--
White oak	42	--	--	--	17	--	25	--
Red oak	106	--	--	--	42	--	64	--
Hickory	256	--	--	71	33	92	60	--
Maple	214	17	63	--	7	--	127	--
Elm	1,237	--	--	519	--	19	699	--
Black cherry	215	--	106	--	22	--	87	--
Black walnut	192	--	--	65	--	--	127	--
Osage-orange	28	--	22	--	6	--	--	--
Apple	254	--	106	--	21	--	127	--
Mixed hardwoods	242	--	--	217	--	--	25	--
Total hardwoods	5,260	30	603	1,008	271	224	3,124	--
All species	5,302	43	632	1,008	271	224	3,124	--

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

PRAIRIE UNIT

(Table 1 continued)

Species group	All sources	Source of fuelwood: Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
Lake County								
Oak	65,635	11,478	13,838	1,155	2	82	39,080	--
Hickory	522	207	105	105	1	--	104	--
Maple	2,281	390	545	119	12	--	1,215	--
Elm	34	34	--	--	--	--	--	--
Birch	1,137	1,137	--	--	--	--	--	--
Black cherry	1,251	228	284	--	--	--	739	--
Black walnut	4	1	1	1	1	--	--	--
Boxelder	161	34	--	--	--	--	127	--
Locust	3,411	2,388	--	--	--	51	972	--
Osage-orange	14	--	--	--	--	--	14	--
Apple	114	114	--	--	--	--	--	--
Mixed hardwoods	8,555	4,991	767	227	--	72	2,498	--
All species	83,119	21,002	15,540	1,607	16	205	44,749	--
La Salle County								
Pine	84	58	7	--	--	--	19	--
Total softwoods	84	58	7	--	--	--	19	--
Oak	2,625	1,095	575	114	10	--	831	--
Hickory	28	--	--	--	--	--	28	--
Maple	2,548	98	11	2,274	--	--	165	--
Soft maple	109	109	--	--	--	--	--	--
Elm	2,885	412	84	2	17	--	2,370	--
Ash	38	--	37	1	--	--	--	--
Cottonwood	1,057	--	3	1,023	3	--	28	--
Hackberry	10	--	9	1	--	--	--	--
Black cherry	106	11	--	--	--	--	95	--
Other cherry	188	--	47	--	--	--	141	--
Black walnut	49	26	--	--	--	--	23	--
Boxelder	22	20	2	--	--	--	--	--
Honeylocust	3,701	317	2,707	--	677	--	--	--
Catalpa	846	--	677	--	169	--	--	--
Apple	22	20	2	--	--	--	--	--
Mixed hardwoods	1,939	670	23	10	443	--	793	--
Total hardwoods	16,173	2,778	4,177	3,425	1,319	--	4,474	--
All species	16,257	2,836	4,184	3,425	1,319	--	4,493	--

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

PRAIRIE UNIT

(Table 1 continued)

Species group	All sources	Source of fuelwood: Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
Lee County								
Pine	22	--	--	--	--	--	22	--
Total softwoods	22	--	--	--	--	--	22	--
Oak	4,279	--	505	1,350	1,128	--	1,296	--
Hickory	156	--	156	--	--	--	--	--
Maple	285	--	279	--	--	--	6	--
Elm	186	--	--	--	--	--	186	--
Cottonwood	389	--	--	389	--	--	--	--
Black cherry	541	--	532	--	--	--	9	--
Boxelder	824	--	802	--	--	--	22	--
Locust	261	--	26	235	--	--	--	--
Mulberry	423	--	--	423	--	--	--	--
Apple	770	--	558	212	--	--	--	--
Mixed hardwoods	586	11	423	--	--	--	152	--
Total hardwoods	8,700	11	3,281	2,609	1,128	--	1,671	--
All species	8,722	11	3,281	2,609	1,128	--	1,693	--
Livingston County								
Pine	188	--	188	--	--	--	--	--
White pine	112	--	75	--	31	--	6	--
Total softwoods	300	--	263	--	31	--	6	--
Oak	1,276	141	169	128	205	--	633	--
Hickory	21	--	--	--	16	--	5	--
Maple	183	--	141	--	31	--	11	--
Elm	255	--	32	--	95	--	128	--
Ash	247	--	141	--	79	--	27	--
Cottonwood	1	--	1	--	--	--	--	--
Black walnut	57	--	38	--	16	--	3	--
Boxelder	19	--	19	--	--	--	--	--
Catalpa	1,579	--	79	158	--	--	1,342	--
Mulberry	24	--	24	--	--	--	--	--
Osage-orange	444	--	311	--	31	--	102	--
Apple	357	--	36	34	--	--	287	--
Mixed hardwoods	3,525	--	--	--	--	--	3,525	--
Total hardwoods	7,988	141	991	320	473	--	6,063	--
All species	8,288	141	1,254	320	504	--	6,069	--

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

PRAIRIE UNIT

(Table 1 continued)

Species group	All sources	Source of fuelwood: Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
Logan County								
Oak	658	56	104	--	--	--	498	--
Hickory	163	--	--	--	--	--	163	--
Maple	660	660	--	--	--	--	--	--
Elm	381	381	--	--	--	--	--	--
Willow	114	114	--	--	--	--	--	--
Locust	3	--	--	--	--	--	3	--
Mulberry	114	114	--	--	--	--	--	--
Osage-orange	3	--	--	--	--	--	3	--
Mixed hardwoods	94	94	--	--	--	--	--	--
Other hardwoods	5	--	5	--	--	--	--	--
All species	2,195	1,419	109	--	--	--	667	--
Macon County								
Pine	109	109	--	--	--	--	--	--
Total softwoods	109	109	--	--	--	--	--	--
Oak	1,077	337	200	230	235	--	75	--
Red oak	43	43	--	--	--	--	--	--
Hickory	47	--	--	--	23	--	24	--
Maple	928	327	96	353	90	--	62	--
Elm	641	43	312	6	85	--	195	--
Ash	184	82	--	3	49	--	50	--
Sycamore	35	--	--	--	--	--	35	--
Cottonwood	2,487	68	1,015	1,150	--	--	254	--
Willow	179	94	--	--	--	--	85	--
Black cherry	137	--	52	--	--	--	85	--
Black walnut	48	--	--	--	24	--	24	--
Boxelder	8	8	--	--	--	--	--	--
Locust	101	--	54	3	15	--	29	--
Honeylocust	141	35	--	--	106	--	--	--
Mulberry	11	11	--	--	--	--	--	--
Osage-orange	98	15	14	18	38	--	13	--
Apple	113	113	--	--	--	--	--	--
Mixed hardwoods	1,557	--	--	--	--	--	1,557	--
Other hardwoods	132	1	--	18	--	--	113	--
Total hardwoods	7,967	1,177	1,743	1,781	665	--	2,601	--
All species	8,076	1,286	1,743	1,781	665	--	2,601	--

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

PRAIRIE UNIT

(Table 1 continued)

Species group	All sources	Source of fuelwood: Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
Marshall County								
Oak	631	--	63	568	--	--	--	--
Maple	22	--	22	--	--	--	--	--
Ash	140	--	8	--	132	--	--	--
Hackberry	16	--	16	--	--	--	--	--
Catalpa	132	--	--	--	132	--	--	--
All species	941	--	109	568	264	--	--	--
Mason County								
Oak	1,371	--	--	282	358	79	652	--
Hickory	692	--	--	--	69	79	544	--
Ash	85	--	--	--	42	--	43	--
Black locust	282	--	--	282	--	--	--	--
Mixed hardwoods	1,269	--	106	--	1,128	--	35	--
All species	3,699	--	106	564	1,597	158	1,274	--
McDonough County								
Oak	2,552	54	1	1,251	605	7	634	--
Red oak	521	130	--	--	274	--	117	--
Hickory	1,244	--	--	269	599	--	376	--
Maple	100	18	10	72	--	--	--	--
Hard maple	261	65	--	--	137	--	59	--
Soft maple	169	--	--	169	--	--	--	--
Elm	529	--	--	396	2	2	129	--
Hackberry	1,715	343	--	1,372	--	--	--	--
Black cherry	4	--	--	--	2	2	--	--
Locust	1,176	18	--	72	--	--	1,086	--
Black locust	747	130	1	212	280	7	117	--
Osage-orange	1,086	--	--	--	--	--	1,086	--
Other hardwoods	90	18	--	72	--	--	--	--
All species	10,194	776	12	3,885	1,899	18	3,604	--

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

PRAIRIE UNIT

(Table 1 continued)

Species group	All sources	Source of fuelwood: Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
			McHenry County					
Oak	158,601	20,367	39,364	3,667	482	15,297	79,423	1
Red oak	379	--	--	--	--	189	190	--
Hickory	3,971	1,092	1,104	1,706	--	--	69	--
Maple	4,852	1,100	1,535	--	--	--	2,217	--
Elm	9,915	8,073	1,842	--	--	--	--	--
Ash	773	--	489	--	11	113	160	--
Cottonwood	2,360	--	2,314	--	--	--	46	--
Willow	959	770	75	114	--	--	--	--
Birch	68	--	--	--	--	--	68	--
Black cherry	2,441	228	569	--	15	75	1,554	--
Other cherry	1,237	--	1,237	--	--	--	--	--
Boxelder	1,054	683	246	114	11	--	--	--
Mulberry	171	--	171	--	--	--	--	--
Apple	2,811	1,510	875	426	--	--	--	--
Mixed hardwoods	18,306	1,914	4,763	1,600	--	478	9,551	--
All species	207,898	35,737	54,584	7,627	519	16,152	93,278	1
			McLean County					
Oak	2,933	844	235	912	3	--	939	--
Hickory	556	154	--	154	1	--	247	--
Maple	912	512	304	138	6	--	2	--
Soft maple	94	94	--	--	--	--	--	--
Elm	247	59	2	32	1	--	153	--
Ash	602	211	8	160	2	--	221	--
Sycamore	212	212	--	--	--	--	--	--
Cottonwood	616	--	30	446	--	--	140	--
Willow	282	70	141	71	--	--	--	--
Hackberry	611	282	147	182	--	--	--	--
Black cherry	192	--	8	176	--	--	8	--
Black walnut	289	35	1	106	--	--	147	--
Yellow-poplar	7	5	--	2	--	--	--	--
Locust	65	--	--	65	--	--	--	--
Mulberry	16	10	2	3	1	--	--	--
Osage-orange	1,664	155	1,049	460	--	--	--	--
Apple	276	6	--	112	--	--	158	--
Mixed hardwoods	1,065	338	--	--	--	--	727	--
Other hardwoods	250	192	--	6	--	--	52	--
All species	10,889	3,129	1,927	3,025	14	--	2,794	--

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

PRAIRIE UNIT

(Table 1 continued)

Species group	All sources	Source of fuelwood: Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
Menard County								
Oak	316	--	142	142	--	--	32	--
Maple	113	--	51	51	--	--	11	--
Elm	107	--	48	48	--	--	11	--
Hackberry	354	--	319	35	--	--	--	--
Black cherry	364	--	328	36	--	--	--	--
Black walnut	28	--	12	13	--	--	3	--
Locust	3	--	--	--	--	--	3	--
Black locust	338	--	304	34	--	--	--	--
Osage-orange	357	--	319	35	--	--	3	--
Mixed hardwoods	649	--	--	--	--	--	649	--
All species	2,629	--	1,523	394	--	--	712	--
Mercer County								
Oak	52	--	--	--	--	--	52	--
White oak	567	--	--	--	--	--	567	--
Hickory	208	--	--	--	--	--	208	--
Maple	177	88	--	--	--	--	89	--
Cottonwood	85	--	--	--	--	--	85	--
Locust	177	88	--	--	--	--	89	--
Mixed hardwoods	263	9	141	113	--	--	--	--
All species	1,529	185	141	113	--	--	1,090	--
Morgan County								
Oak	501	--	168	--	26	122	185	--
Hickory	148	--	14	--	--	79	55	--
Pecan hickory	83	--	83	--	--	--	--	--
Other hickory	279	--	--	--	--	--	279	--
Maple	1,111	--	260	--	--	--	851	--
Elm	729	--	--	--	--	18	711	--
Ash	15	--	3	--	6	6	--	--
Black cherry	35	--	--	--	--	35	--	--
Black walnut	35	--	--	--	--	35	--	--
Locust	279	--	--	--	--	--	279	--
Mixed hardwoods	1,030	--	272	--	--	--	758	--
All species	4,245	--	800	--	32	295	3,118	--

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

PRAIRIE UNIT

(Table 1 continued)

Species group	Source of fuelwood							
	All sources	Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
Moultrie County								
Oak	254	--	--	25	23	--	206	--
Elm	65	65	--	--	--	--	--	--
Locust	19	19	--	--	--	--	--	--
Osage-orange	790	--	790	--	--	--	--	--
Mixed hardwoods	879	10	--	--	--	869	--	--
All species	2,007	94	790	25	23	869	206	--
Ogle County								
Redcedar	338	--	--	--	--	--	338	--
Total softwoods	338	--	--	--	--	--	338	--
Oak	4,958	146	181	4	7	40	4,539	41
White oak	56	--	--	56	--	--	--	--
Red oak	226	--	--	226	--	--	--	--
Hickory	1,659	42	52	338	--	--	1,213	14
Elm	1	--	1	--	--	--	--	--
Ash	6	--	--	1	--	1	4	--
Willow	71	--	71	--	--	--	--	--
Hackberry	395	--	355	--	--	--	40	--
Birch	131	113	14	--	1	--	3	--
Black cherry	253	--	223	4	2	1	23	--
Black walnut	11	--	10	--	--	--	1	--
Boxelder	1,107	--	1,107	--	--	--	--	--
Osage-orange	1	--	1	--	--	--	--	--
Apple	7	--	--	1	1	1	4	--
Mixed hardwoods	3,078	--	1,860	306	141	--	771	--
Other hardwoods	141	--	141	--	--	--	--	--
Total hardwoods	12,101	301	4,016	936	152	43	6,598	55
All species	12,439	301	4,016	936	152	43	6,936	55

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

PRAIRIE UNIT

(Table 1 continued)

Species group	All sources	Source of fuelwood: Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
Peoria County								
Pine	13	--	--	--	8	--	5	--
Total softwoods	13	--	--	--	8	--	5	--
Oak	12,202	8,584	306	555	439	79	2,137	102
Hickory	512	278	--	--	149	79	6	--
Maple	2,478	2,408	--	34	32	--	4	--
Hard maple	268	67	--	--	--	--	201	--
Soft maple	113	--	56	--	28	--	29	--
Elm	3,596	1,170	747	388	227	--	1,064	--
Cottonwood	307	28	--	--	112	--	167	--
Hackberry	141	--	14	--	--	--	127	--
Birch	17	--	--	--	10	--	7	--
Black cherry	154	140	--	14	--	--	--	--
Black walnut	42	--	14	14	7	--	7	--
Boxelder	59	--	--	59	--	--	--	--
Locust	85	--	42	--	--	--	43	--
Osage-orange	151	--	--	68	62	--	21	--
Mixed hardwoods	1,330	372	60	192	433	--	234	39
Other hardwoods	56	56	--	--	--	--	--	--
Total hardwoods	21,511	13,103	1,239	1,324	1,499	158	4,047	141
All species	21,524	13,103	1,239	1,324	1,507	158	4,052	141
Piatt County								
Oak	847	--	--	287	3	179	378	--
Hickory	469	--	--	152	--	96	221	--
Maple	364	--	--	54	197	--	113	--
Elm	618	564	--	54	--	--	--	--
Cottonwood	54	--	--	54	--	--	--	--
Willow	54	--	--	54	--	--	--	--
Black walnut	282	--	--	--	--	--	282	--
Osage-orange	760	--	760	--	--	--	--	--
Mixed hardwoods	25	--	25	--	--	--	--	--
All species	3,473	564	785	655	200	275	994	--

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

PRAIRIE UNIT

(Table 1 continued)

Species group	Source of fuelwood							
	All sources	Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
Pike County								
Oak	7,953	249	2,582	1,404	383	1,235	2,100	--
Hickory	163	1	15	--	2	13	132	--
Elm	1,990	--	282	34	16	243	1,415	--
Black walnut	26	--	--	--	5	--	21	--
Locust	163	81	--	--	--	41	41	--
Osage-orange	226	--	--	--	56	--	170	--
All species	10,521	331	2,879	1,438	462	1,532	3,879	--
Putnam County								
Oak	28	--	--	--	5	--	23	--
White oak	3,666	--	--	--	733	--	2,933	--
Maple	3	--	--	--	1	--	2	--
Elm	3	--	--	--	1	--	2	--
Ash	1	--	--	--	--	--	1	--
All species	3,701	--	--	--	740	--	2,961	--
Rock Island County								
Pine	268	268	--	--	--	--	--	--
Total softwoods	268	268	--	--	--	--	--	--
Oak	3,009	1,227	767	--	--	--	1,015	--
Hickory	96	--	11	--	--	--	85	--
Maple	1,048	426	--	--	--	--	622	--
Elm	113	113	--	--	--	--	--	--
Birch	50	14	18	--	--	--	18	--
Black cherry	160	113	29	--	--	--	18	--
Other cherry	423	--	--	--	--	--	423	--
Black walnut	56	56	--	--	--	--	--	--
Boxelder	903	903	--	--	--	--	--	--
Locust	177	88	--	--	--	--	89	--
Black locust	42	--	--	--	--	--	42	--
Mulberry	39	39	--	--	--	--	--	--
Mixed hardwoods	3,348	2,988	78	--	282	--	--	--
Total hardwoods	9,464	5,967	903	--	282	--	2,312	--
All species	9,732	6,235	903	--	282	--	2,312	--

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

PRAIRIE UNIT

(Table 1 continued)

Species group	All sources	Source of fuelwood: Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
Sangamon County								
Pine	21	--	--	--	--	--	21	--
Total softwoods	21	--	--	--	--	--	21	--
Oak	2,569	1,058	469	169	150	60	663	--
Hickory	154	120	--	14	--	20	--	--
Maple	984	412	276	14	--	--	282	--
Elm	1,514	227	--	--	246	--	1,041	--
Ash	13	--	--	--	--	10	3	--
Willow	23	23	--	--	--	--	--	--
Birch	47	--	47	--	--	--	--	--
Blackgum	31	31	--	--	--	--	--	--
Black cherry	1,179	71	280	--	375	5	448	--
Black walnut	462	109	--	--	--	--	353	--
Locust	741	118	4	--	--	5	614	--
Black locust	113	--	--	--	113	--	--	--
Mulberry	13	13	--	--	--	--	--	--
Osage-orange	1,323	132	641	54	85	--	411	--
Apple	71	71	--	--	--	--	--	--
Mixed hardwoods	1,087	157	136	24	519	--	204	47
Other hardwoods	42	--	42	--	--	--	--	--
Total hardwoods	10,366	2,542	1,895	275	1,488	100	4,019	47
All species	10,387	2,542	1,895	275	1,488	100	4,040	47
Schuyler County								
Oak	1,026	--	--	71	139	761	55	--
Hickory	217	--	--	--	108	--	109	--
Hard maple	71	--	--	71	--	--	--	--
Elm	217	--	--	--	108	--	109	--
Mixed hardwoods	130	--	130	--	--	--	--	--
All species	1,661	--	130	142	355	761	273	--

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

PRAIRIE UNIT

(Table 1 continued)

Species group	All sources	Source of fuelwood: Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
Scott County								
Oak	1,754	--	--	--	741	45	968	--
Elm	163	--	--	--	81	--	82	--
Black cherry	113	--	--	--	23	11	79	--
Black walnut	163	--	--	--	81	--	82	--
Mixed hardwoods	860	860	--	--	--	--	--	--
All species	3,053	860	--	--	926	56	1,211	--
Stark County								
Oak	331	22	--	34	--	--	275	--
Elm	183	--	--	--	--	--	183	--
Apple	28	--	--	--	--	--	28	--
Mixed hardwoods	113	--	--	--	--	--	113	--
All species	655	22	--	34	--	--	599	--
Stephenson County								
Oak	1,672	254	958	24	53	--	383	--
Hickory	43	--	--	4	--	--	39	--
Maple	652	--	282	290	18	--	62	--
Elm	2,849	226	367	2,256	--	--	--	--
Willow	217	--	--	--	--	--	217	--
Hackberry	39	39	--	--	--	--	--	--
Black cherry	492	45	226	2	--	--	219	--
Black walnut	4	--	--	2	--	--	2	--
Apple	4	--	--	2	--	--	2	--
All species	5,972	564	1,833	2,580	71	--	924	--

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

PRAIRIE UNIT

(Table 1 continued)

Species group	Source of fuelwood							
					Rural woodlands			
	All sources	Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Standing live trees	Logging waste	Dead trees	Other sources
	Tazewell County							
Pine	169	169	--	--	--	--	--	--
Total softwoods	169	169	--	--	--	--	--	--
Oak	7,037	1,227	736	19	1,108	--	3,947	--
Hickory	2,390	8	--	--	485	--	1,897	--
Maple	873	472	3	--	1	--	397	--
Hard maple	14	3	--	--	--	--	11	--
Soft maple	592	--	592	--	--	--	--	--
Elm	2,440	471	434	--	317	--	1,218	--
Ash	2,435	80	161	--	569	--	1,625	--
Cottonwood	423	423	--	--	--	--	--	--
Hackberry	592	--	169	--	106	--	317	--
Birch	451	--	--	--	45	--	406	--
Black cherry	63	56	5	2	--	--	--	--
Black walnut	1,193	6	2	--	273	--	912	--
Locust	2,495	--	268	--	427	--	1,800	--
Osage-orange	630	--	17	1	119	--	493	--
Apple	56	56	--	--	--	--	--	--
Mixed hardwoods	1,797	883	553	49	66	--	246	--
Other hardwoods	44	31	13	--	--	--	--	--
Total hardwoods	23,525	3,716	2,953	71	3,516	--	13,269	--
All species	23,694	3,885	2,953	71	3,516	--	13,269	--

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

PRAIRIE UNIT

(Table 1 continued)

Species group	All sources	Source of fuelwood: Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
				Vermillion County				
Pine	99	98	--	--	--	--	1	--
Total softwoods	99	98	--	--	--	--	1	--
Oak	14,503	10,116	229	1,072	1,058	55	1,973	--
Hickory	12,115	8,474	--	127	--	--	3,514	--
Maple	4,153	489	106	133	696	--	2,729	--
Soft maple	304	99	53	--	106	46	--	--
Elm	315	35	35	135	71	--	39	--
Ash	1,327	46	94	879	130	176	2	--
Sycamore	5,984	5,676	--	140	65	102	1	--
Cottonwood	940	--	--	--	--	--	940	--
Hackberry	141	--	106	35	--	--	--	--
Black cherry	738	9	106	111	110	--	402	--
Black walnut	4,882	3,249	--	829	175	65	564	--
Osage-orange	4,910	2,885	247	1,203	143	--	432	--
Apple	1,038	--	--	--	110	--	928	--
Mixed hardwoods	1,750	527	--	415	189	--	619	--
Other hardwoods	195	--	--	195	--	--	--	--
Total hardwoods	53,295	31,605	976	5,274	2,853	444	12,143	--
All species	53,394	31,703	976	5,274	2,853	444	12,144	--

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

PRAIRIE UNIT

(Table 1 continued)

Species group	All sources	Source of fuelwood: Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
Warren County								
Oak	1,734	--	66	--	778	--	890	--
Hickory	1,872	434	--	--	587	--	851	--
Maple	313	109	24	--	180	--	--	--
Elm	1	--	1	--	--	--	--	--
Black cherry	87	--	--	--	87	--	--	--
Locust	1,246	--	--	--	1,246	--	--	--
Osage-orange	28	--	22	--	6	--	--	--
Mixed hardwoods	326	--	--	--	--	--	326	--
All species	5,607	543	113	--	2,884	--	2,067	--
Whiteside County								
Pine	141	--	141	--	--	--	--	--
Total softwoods	141	--	141	--	--	--	--	--
Oak	1,746	--	252	73	2	51	1,346	22
Maple	22	--	--	--	--	--	--	22
Soft maple	9	--	--	7	--	--	2	--
Elm	163	--	141	--	--	--	--	22
Ash	3	--	--	--	--	3	--	--
Cottonwood	78	--	56	--	--	--	--	22
Hackberry	107	--	--	64	2	--	19	22
Black cherry	21	--	9	--	--	3	9	--
Locust	109	--	--	--	--	--	--	109
Apple	47	47	--	--	--	--	--	--
Mixed hardwoods	1,234	--	649	217	--	--	368	--
Other hardwoods	282	--	282	--	--	--	--	--
Total hardwoods	3,821	47	1,389	361	4	57	1,744	219
All species	3,962	47	1,530	361	4	57	1,744	219

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

PRAIRIE UNIT

(Table 1 continued)

Species group	All sources	Source of fuelwood: Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
				Will County				
Pine	114	--	--	114	--	--	--	--
Total softwoods	114	--	--	114	--	--	--	--
Oak	116,377	49,308	29,056	13,635	1,179	--	23,198	1
Hickory	6,306	2,275	3,457	228	1	--	345	--
Basswood	68	68	--	--	--	--	--	--
Maple	38,644	20,663	3,155	1,427	745	--	12,654	--
Elm	11,984	68	8,812	2,558	--	--	546	--
Ash	2,639	1	1,501	--	--	--	1,137	--
Sycamore	1,137	1,137	--	--	--	--	--	--
Cottonwood	1,750	--	1,136	--	--	--	614	--
Willow	883	16	136	--	--	--	731	--
Hackberry	2,048	1	2,047	--	--	--	--	--
Birch	228	--	--	228	--	--	--	--
Black cherry	4,422	1,820	--	--	682	--	1,920	--
Other cherry	4,082	2,956	1,126	--	--	--	--	--
Black walnut	4	1	1	1	1	--	--	--
Boxelder	716	14	--	--	--	--	702	--
Locust	1,516	1,516	--	--	--	--	--	--
Catalpa	23,876	4,548	--	--	5,798	--	13,530	--
Mulberry	228	228	--	--	--	--	--	--
Osage-orange	9,922	273	6,752	441	--	--	2,456	--
Apple	300	91	--	--	--	--	209	--
Mixed hardwoods	19,635	11,535	4,985	1,103	2,012	--	--	--
Total hardwoods	246,765	96,519	62,164	19,621	10,418	--	58,042	1
All species	246,879	96,519	62,164	19,735	10,418	--	58,042	1

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

PRAIRIE UNIT

(Table 1 continued)

Species group	All sources	Source of fuelwood: Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
				Winnebago County				
Pine	786	1	101	35	59	--	590	--
Red pine	217	--	217	--	--	--	--	--
Total softwoods	1,003	1	318	35	59	--	590	--
Oak	19,404	1,411	4,641	2,167	4,591	141	6,453	--
Hickory	2,178	204	237	18	691	9	976	43
Basswood	99	--	99	--	--	--	--	--
Maple	2,837	1,324	874	140	162	--	337	--
Elm	6,038	1,644	1,351	410	349	9	2,232	43
Ash	725	150	296	138	14	--	127	--
Cottonwood	2,188	32	564	32	23	152	623	762
Willow	1,042	--	876	111	19	--	36	--
Hackberry	494	18	345	19	19	--	93	--
Birch	564	564	--	--	--	--	--	--
Black cherry	2,600	49	1,766	295	363	--	127	--
Other cherry	292	--	233	--	20	--	39	--
Black walnut	484	--	--	141	69	141	133	--
Boxelder	358	21	296	31	2	--	8	--
Honeylocust	47	--	--	--	9	--	38	--
Mulberry	6	--	--	--	6	--	--	--
Osage-orange	292	--	263	29	--	--	--	--
Apple	72	32	7	33	--	--	--	--
Mixed hardwoods	1,366	461	466	179	--	--	260	--
Total hardwoods	41,086	5,910	12,314	3,743	6,337	452	11,482	848
All species	42,089	5,911	12,632	3,778	6,396	452	12,072	848

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

PRAIRIE UNIT

(Table 1 continued)

Species group	All sources	Source of fuelwood: Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
				Woodford County				
Pine	114	--	--	--	68	--	46	--
Total softwoods	114	--	--	--	68	--	46	--
Oak	14,219	141	953	1,777	23	--	11,325	--
Hickory	4,686	--	--	1,128	46	--	3,512	--
Maple	263	34	212	--	--	--	17	--
Elm	719	--	--	423	178	--	118	--
Ash	5,076	--	--	--	--	--	5,076	--
Cottonwood	113	--	22	57	--	--	34	--
Willow	38	--	--	--	--	--	38	--
Hackberry	22	22	--	--	--	--	--	--
Birch	152	--	--	--	91	--	61	--
Black cherry	130	--	--	--	76	--	54	--
Black walnut	622	--	--	564	--	--	58	--
Locust	445	--	5	--	423	--	17	--
Osage-orange	7	--	7	--	--	--	--	--
Apple	3	--	--	--	--	--	3	--
Mixed hardwoods	521	96	--	141	195	--	89	--
Total hardwoods	27,016	293	1,199	4,090	1,032	--	20,402	--
All species	27,130	293	1,199	4,090	1,100	--	20,448	--

(Table 1 continued on next page)

Table 1.--Fuelwood production from roundwood by Unit, county, species group, and source, Illinois, 1983

(In standard cords)

PRAIRIE UNIT

(Table 1 continued)

Species group	Source of fuelwood							
					Rural woodlands			
	All sources	Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Standing live trees	Logging waste	Dead trees	Other sources
	All Counties							
Pine	4,204	1,382	624	150	135	10	1,903	--
Red pine	217	--	217	--	--	--	--	--
White pine	112	--	75	--	31	--	6	--
Redcedar	1,172	30	778	--	--	--	364	--
Total softwoods	5,705	1,412	1,694	150	166	10	2,273	--
Oak	649,322	148,497	132,483	50,307	28,834	22,610	266,129	462
White oak	4,795	288	--	78	858	31	3,540	--
Red oak	2,339	173	156	226	598	189	997	--
Hickory	79,723	23,055	7,802	7,442	16,291	1,245	23,831	57
Pecan hickory	83	--	83	--	--	--	--	--
Other hickory	279	--	--	--	--	--	279	--
Basswood	652	447	149	--	--	17	39	--
Maple	122,509	54,913	16,498	7,802	7,242	501	35,424	129
Hard maple	614	135	--	71	137	--	271	--
Soft maple	1,421	302	732	176	134	46	31	--
Elm	94,887	27,098	22,974	12,937	6,849	711	24,185	133
Ash	33,295	7,290	3,921	2,277	5,873	417	13,490	27
Sycamore	7,569	7,029	67	140	65	102	166	--
Cottonwood	26,901	5,928	5,216	4,032	2,332	166	8,443	784
Willow	7,241	2,348	1,553	468	104	30	2,738	--
Hackberry	13,752	741	9,808	1,888	127	2	1,164	22
Birch	8,586	3,016	2,388	1,267	248	--	1,667	--
Blackgum	31	31	--	--	--	--	--	--
Black cherry	21,822	4,304	5,891	1,428	2,286	174	7,696	43
Other cherry	6,281	3,015	2,643	--	20	--	603	--
Black walnut	17,024	3,886	1,135	2,951	959	252	7,841	--
Yellow-poplar	7	5	--	2	--	--	--	--
Boxelder	8,381	1,697	2,491	537	877	2	2,777	--
Locust	14,170	4,753	802	913	2,200	115	5,278	109
Black locust	4,192	130	446	528	1,015	7	2,066	--
Honeylocust	3,889	352	2,707	--	792	--	38	--
Catalpa	26,433	4,548	756	158	6,099	--	14,872	--
Sassafras	57	--	41	13	--	--	3	--
Mulberry	1,305	545	296	429	7	--	--	28
Osage-orange	33,636	3,560	19,073	3,696	914	--	6,393	--
Apple	10,119	2,430	3,470	1,301	180	2	2,736	--
Mixed hardwoods	119,980	41,612	25,873	8,931	7,599	2,314	33,555	96
Other hardwoods	2,366	1,208	631	291	35	--	201	--
Total hardwoods	1,323,661	353,336	270,085	110,289	92,675	28,933	466,453	1,890
All species	1,329,366	354,748	271,779	110,439	92,841	28,943	468,726	1,890

1/ As reported by fuelwood producers before prorating to individual species.

2/ Includes species such as Chinese elm, persimmon, butternut, hawthorn, dogwood, pear, etc.

Table 1.--Fuelwood production from roundwood by unit, county, species group, and source, Illinois, 1983

(In standard cords)

ALL UNITS

Species group 1/	All sources	Source of fuelwood: Cities and villages	Windbreaks fencerows and rural yards	Pasture and cropland	Rural woodlands: Standing live trees	Rural woodlands: Logging waste	Rural woodlands: Dead trees	Other sources
				All Counties				
Pine	5,225	2,087	889	150	148	10	1,936	5
Red pine	217	--	217	--	--	--	--	--
White pine	112	--	75	--	31	--	6	--
Redcedar	1,455	39	779	273	--	--	364	--
Total softwoods	7,009	2,126	1,960	423	179	10	2,306	5
Oak	765,633	152,817	156,012	71,439	49,932	31,398	303,488	547
White oak	8,016	288	725	307	2,002	538	4,156	--
Red oak	5,046	173	1,351	226	1,612	189	1,495	--
Hickory	122,305	24,344	17,064	14,927	24,533	5,706	35,597	134
Pecan hickory	375	--	120	--	--	169	86	--
Other hickory	279	--	--	--	--	--	279	--
Basswood	821	447	149	--	169	17	39	--
Maple	140,912	56,722	20,750	11,815	9,558	1,527	40,411	129
Hard maple	616	135	--	71	137	1	272	--
Soft maple	1,546	302	857	176	134	46	31	--
Elm	105,348	28,464	24,845	14,357	8,881	754	27,903	144
Ash	62,052	7,924	12,682	9,080	9,973	3,294	19,055	44
Sycamore	9,220	7,170	821	140	487	102	500	--
Cottonwood	28,720	6,458	5,384	4,624	2,520	225	8,724	785
Willow	7,852	2,436	1,948	468	193	64	2,743	--
Hackberry	16,227	763	10,602	1,996	1,493	47	1,304	22
Birch	9,191	3,121	2,388	1,267	559	151	1,705	--
Sweet gum	81	--	81	--	--	--	--	--
Blackgum	45	31	14	--	--	--	--	--
Black cherry	27,448	4,646	8,338	2,163	3,456	305	8,463	77
Other cherry	6,411	3,015	2,773	--	20	--	603	--
Black walnut	18,518	3,974	1,304	3,048	1,130	837	8,224	1
Yellow-poplar	11	5	--	2	1	2	--	1
Boxelder	8,694	1,697	2,618	537	1,063	2	2,777	--
Locust	19,673	4,757	3,995	1,096	3,190	190	6,336	109
Black locust	4,491	130	446	528	1,017	7	2,363	--
Honeylocust	4,174	563	2,707	--	792	2	109	1
Catalpa	26,433	4,548	756	158	6,099	--	14,872	--
Sassafras	4,066	64	1,841	649	766	3	742	1
Mulberry	1,671	545	429	533	79	--	57	28
Osage-orange	37,933	3,833	20,136	4,381	1,851	107	7,625	--
Apple	10,517	2,465	3,756	1,340	180	2	2,774	--
Mixed hardwoods	168,251	44,480	34,879	16,872	18,643	3,544	48,609	1,224
Other hardwoods 2/	3,663	1,345	1,000	456	208	134	520	--
Total hardwoods	1,626,239	367,662	340,771	162,656	150,678	49,363	551,862	3,247
All species	1,633,248	369,788	342,731	163,079	150,857	49,373	554,168	3,252

1/ As reported by fuelwood producers before prorating to individual species.

2/ Includes species such as Chinese elm, persimmon, butternut, hawthorn, dogwood, pear, etc.

Table 2.--Fuelwood production from roundwood by Unit, species group, and ownership, Illinois, 1983

(In standard cords)

ALL UNITS

Species group 1/	All ownerships	Federal		Indian	State	County and municipal	Forest industry	Other private
		National forest	Other					
				All Counties				
Pine	5,225	--	264	--	875	114	--	3,972
Red pine	217	--	--	--	--	--	--	217
White pine	112	--	--	--	--	--	--	112
Redcedar	1,455	--	--	--	--	--	--	1,455
Total softwoods	7,009	--	264	--	875	114	--	5,756
Oak	765,633	13	3,007	--	426	17,783	764	743,640
White oak	8,016	--	--	--	--	--	--	8,016
Red oak	5,046	--	--	--	--	--	--	5,046
Hickory	122,305	8	57	--	90	1,986	14	120,150
Pecan hickory	375	--	--	--	--	--	--	375
Other hickory	279	--	--	--	--	--	--	279
Basswood	821	--	--	--	--	--	--	821
Maple	140,912	--	106	--	141	12,705	--	127,960
Hard maple	616	--	--	--	--	--	--	616
Soft maple	1,546	--	--	--	--	--	--	1,546
Elm	105,348	--	--	--	141	3,148	--	102,059
Ash	62,052	5	--	--	196	226	6	61,619
Sycamore	9,220	--	--	--	--	--	--	9,220
Cottonwood	28,720	--	--	--	22	675	--	28,023
Willow	7,852	--	--	--	--	--	--	7,852
Hackberry	16,227	--	--	--	--	366	34	15,827
Birch	9,191	--	--	--	--	315	38	8,838
Sweet gum	81	--	--	--	--	--	--	81
Blackgum	45	--	--	--	--	--	--	45
Black cherry	27,448	--	--	--	79	999	--	26,370
Other cherry	6,411	--	--	--	141	--	--	6,270
Black walnut	18,518	--	--	--	--	109	--	18,409
Yellow-poplar	11	--	--	--	--	--	--	11
Boxelder	8,694	--	--	--	--	--	--	8,694
Locust	19,673	--	--	--	--	198	--	19,475
Black locust	4,491	--	--	--	--	--	--	4,491
Honeylocust	4,174	--	--	--	--	--	--	4,174
Catalpa	26,433	--	--	--	--	--	--	26,433
Sassafras	4,066	--	--	--	79	--	--	3,987
Mulberry	1,671	--	--	--	6	--	--	1,665
Osage-orange	37,933	--	2,456	--	--	592	130	34,755
Apple	10,517	--	--	--	--	71	--	10,446
Mixed hardwoods	168,251	1,046	79	--	755	272	68	166,031
Other hardwoods 2/	3,663	--	--	--	--	18	--	3,645
Total hardwoods	1,626,239	1,072	5,705	--	2,076	39,463	1,054	1,576,869
All species	1,633,248	1,072	5,969	--	2,951	39,577	1,054	1,582,625

1/ As reported by fuelwood producers before prorating to individual species.

2/ Includes species such as Chinese elm, persimmon, butternut, hawthorn, dogwood, pear, etc.

Table 2.--Fuelwood production from roundwood by Unit, species group, and ownership, Illinois, 1983

(In standard cords)

SOUTHERN UNIT

(Table 2 continued)

Species group	All ownerships	Federal		Indian	State	County and municipal	Forest industry	Other private
		National forest	Other					
				All Counties				
Pine	34	--	--	--	--	--	--	34
Redcedar	272	--	--	--	--	--	--	272
Total softwoods	306	--	--	--	--	--	--	306
Oak	37,588	13	993	--	--	578	33	35,971
White oak	703	--	--	--	--	--	--	703
Red oak	1,307	--	--	--	--	--	--	1,307
Hickory	11,340	8	57	--	--	192	14	11,069
Pecan hickory	292	--	--	--	--	--	--	292
Maple	4,482	--	--	--	--	389	--	4,093
Elm	2,374	--	--	--	--	--	--	2,374
Ash	10,601	5	--	--	--	--	6	10,590
Sycamore	404	--	--	--	--	--	--	404
Cottonwood	1	--	--	--	--	--	--	1
Hackberry	213	--	--	--	--	--	--	213
Birch	16	--	--	--	--	--	--	16
Sweet gum	81	--	--	--	--	--	--	81
Blackgum	14	--	--	--	--	--	--	14
Black cherry	1,256	--	--	--	--	--	--	1,256
Other cherry	130	--	--	--	--	--	--	130
Black walnut	564	--	--	--	--	--	--	564
Yellow-poplar	4	--	--	--	--	--	--	4
Boxelder	127	--	--	--	--	--	--	127
Locust	77	--	--	--	--	--	--	77
Black locust	3	--	--	--	--	--	--	3
Honeylocust	3	--	--	--	--	--	--	3
Sassafras	1,186	--	--	--	--	--	--	1,186
Apple	42	--	--	--	--	--	--	42
Mixed hardwoods	15,358	1,046	79	--	--	--	--	14,233
Other hardwoods	97	--	--	--	--	--	--	97
Total hardwoods	88,263	1,072	1,129	--	--	1,159	53	84,850
All species	88,569	1,072	1,129	--	--	1,159	53	85,156

1/ As reported by fuelwood producers before prorating to individual species.

2/ Includes species such as Chinese elm, persimmon, butternut, hawthorn, dogwood, pear, etc.

Table 2.--Fuelwood production from roundwood by Unit, species group, and ownership, Illinois, 1983

(In standard cords)

CLAYPAN UNIT

(Table 2 continued)

Species group	All ownerships	Federal		Indian	State	County and municipal	Forest industry	Other private
		National forest	Other					
				All Counties				
Pine	987	--	--	--	--	--	--	987
Redcedar	11	--	--	--	--	--	--	11
Total softwoods	998	--	--	--	--	--	--	998
Oak	78,723	--	6	--	153	1,777	212	76,575
White oak	2,518	--	--	--	--	--	--	2,518
Red oak	1,400	--	--	--	--	--	--	1,400
Hickory	31,242	--	--	--	--	1,777	--	29,465
Basswood	169	--	--	--	--	--	--	169
Maple	13,921	--	--	--	--	130	--	13,791
Hard maple	2	--	--	--	--	--	--	2
Soft maple	125	--	--	--	--	--	--	125
Elm	8,087	--	--	--	--	--	--	8,087
Ash	18,156	--	--	--	153	--	--	18,003
Sycamore	1,247	--	--	--	--	--	--	1,247
Cottonwood	1,818	--	--	--	--	395	--	1,423
Willow	611	--	--	--	--	--	--	611
Hackberry	2,262	--	--	--	--	--	34	2,228
Birch	589	--	--	--	--	65	38	486
Black cherry	4,370	--	--	--	79	--	--	4,291
Black walnut	930	--	--	--	--	--	--	930
Boxelder	186	--	--	--	--	--	--	186
Locust	5,426	--	--	--	--	--	--	5,426
Black locust	296	--	--	--	--	--	--	296
Honeylocust	282	--	--	--	--	--	--	282
Sassafras	2,823	--	--	--	79	--	--	2,744
Mulberry	366	--	--	--	--	--	--	366
Osage-orange	4,297	--	--	--	--	130	--	4,167
Apple	356	--	--	--	--	--	--	356
Mixed hardwoods	32,913	--	--	--	282	--	68	32,563
Other hardwoods	1,200	--	--	--	--	--	--	1,200
Total hardwoods	214,315	--	6	--	746	4,274	352	208,937
All species	215,313	--	6	--	746	4,274	352	209,935

1/ As reported by fuelwood producers before prorating to individual species.

2/ Includes species such as Chinese elm, persimmon, butternut, hawthorn, dogwood, pear, etc.

Table 2.--Fuelwood production from roundwood by Unit, species group, and ownership, Illinois, 1983

(In standard cords)

PRAIRIE UNIT

(Table 2 continued)

Species group	All ownerships	Federal		Indian	State	County and municipal	Forest industry	Other private
		National forest	Other					
				All Counties				
Pine	4,204	--	264	--	875	114	--	2,951
Red pine	217	--	--	--	--	--	--	217
White pine	112	--	--	--	--	--	--	112
Redcedar	1,172	--	--	--	--	--	--	1,172
Total softwoods	5,705	--	264	--	875	114	--	4,452
Oak	649,322	--	2,008	--	273	15,428	519	631,094
White oak	4,795	--	--	--	--	--	--	4,795
Red oak	2,339	--	--	--	--	--	--	2,339
Hickory	79,723	--	--	--	90	17	--	79,616
Pecan hickory	83	--	--	--	--	--	--	83
Other hickory	279	--	--	--	--	--	--	279
Basswood	652	--	--	--	--	--	--	652
Maple	122,509	--	106	--	141	12,186	--	110,076
Hard maple	614	--	--	--	--	--	--	614
Soft maple	1,421	--	--	--	--	--	--	1,421
Elm	94,887	--	--	--	141	3,148	--	91,598
Ash	33,295	--	--	--	43	226	--	33,026
Sycamore	7,569	--	--	--	--	--	--	7,569
Cottonwood	26,901	--	--	--	22	280	--	26,599
Willow	7,241	--	--	--	--	--	--	7,241
Hackberry	13,752	--	--	--	--	366	--	13,386
Birch	8,586	--	--	--	--	250	--	8,336
Blackgum	31	--	--	--	--	--	--	31
Black cherry	21,822	--	--	--	--	999	--	20,823
Other cherry	6,281	--	--	--	141	--	--	6,140
Black walnut	17,024	--	--	--	--	109	--	16,915
Yellow-poplar	7	--	--	--	--	--	--	7
Boxelder	8,381	--	--	--	--	--	--	8,381
Locust	14,170	--	--	--	--	198	--	13,972
Black locust	4,192	--	--	--	--	--	--	4,192
Honeylocust	3,889	--	--	--	--	--	--	3,889
Catalpa	26,433	--	--	--	--	--	--	26,433
Sassafras	57	--	--	--	--	--	--	57
Mulberry	1,305	--	--	--	6	--	--	1,299
Osage-orange	33,636	--	2,456	--	--	462	130	30,588
Apple	10,119	--	--	--	--	71	--	10,048
Mixed hardwoods	119,980	--	--	--	473	272	--	119,235
Other hardwoods	2,366	--	--	--	--	18	--	2,348
Total hardwoods	1,323,661	--	4,570	--	1,330	34,030	649	1,283,082
All species	1,329,366	--	4,834	--	2,205	34,144	649	1,287,534

1/ As reported by fuelwood producers before prorating to individual species.

2/ Includes species such as Chinese elm, persimmon, butternut, hawthorn, dogwood, pear, etc.

Table 3.-- Fuelwood production from roundwood by Unit, county, and species group, Illinois, 1983

(In standard cords)

County	All species	Species group: Pine	Red-cedar	Ash	Basswood	Gum	Black cherry	Cottonwood	Elm	Pecan hickory
SOUTHERN UNIT										
Alexander	4	--	--	--	--	--	--	--	--	--
Franklin	7,966	--	--	118	--	--	5	--	128	157
Gallatin	1,398	--	--	833	--	4	--	--	128	199
Hamilton	8,548	--	--	1,348	--	--	--	--	128	756
Hardin	3,747	--	--	--	--	--	--	--	--	16
Jackson	7,032	--	--	204	--	--	2	--	254	234
Johnson	1,656	1	--	153	--	--	--	--	--	71
Massac	837	--	--	18	--	99	--	--	34	102
Perry	5,649	--	--	41	--	--	73	--	110	194
Pope	4,229	--	--	1,367	--	--	--	--	--	193
Pulaski	11,275	--	--	2,188	--	--	633	--	346	1,177
Randolph	14,419	--	--	3,142	--	--	159	--	748	1,148
Saline	1,827	33	--	380	--	--	237	2	1	5
Union	10,090	--	272	1,038	--	--	6	--	600	583
White	2,266	--	--	572	--	--	9	--	--	303
Williamson	7,626	--	--	802	--	--	781	--	188	155
Total	88,569	34	272	12,204	--	103	1,905	2	2,665	5,293
CLAYPAN UNIT										
Bond	6,957	--	--	1,546	217	--	328	--	115	327
Calhoun	737	--	--	--	--	--	--	--	68	33
Clark	16,662	--	--	3,485	--	--	645	--	--	654
Clay	2,426	43	--	259	--	--	--	--	--	189
Clinton	5,942	--	--	2,317	--	--	103	--	41	69
Crawford	18,929	--	--	2,808	--	--	674	--	466	811
Cumberland	6,328	--	--	667	--	--	818	--	340	461
Edwards	4,164	--	--	85	--	--	--	--	--	198
Effingham	3,957	--	--	846	--	--	6	13	14	468
Fayette	7,930	--	--	--	--	--	--	--	--	712
Greene	9,107	--	--	457	--	--	126	--	817	989
Jasper	3,356	--	--	--	--	--	--	352	353	275
Jefferson	4,116	--	2	123	--	--	113	--	80	238
Jersey	11,002	--	--	801	--	--	--	--	596	267
Lawrence	2,098	--	--	1,104	--	--	--	--	1	52
Macoupin	5,734	--	--	45	--	--	400	--	448	246
Madison	24,174	705	9	3,127	--	--	442	936	1,899	281
Marion	8,983	--	--	590	--	--	2	--	127	1,508
Monroe	4,801	--	--	--	--	--	126	--	91	440
Montgomery	7,530	--	--	--	--	--	142	--	--	78
Richland	2,746	--	--	462	--	--	--	--	--	158
St. Clair	17,844	239	--	1,119	--	--	3	654	1,322	1,692
Shelby	9,552	--	--	188	--	--	141	648	515	647
Wabash	6,563	--	--	10	--	--	113	--	165	1,126
Washington	13,331	--	--	--	--	--	304	--	1,652	1,541
Wayne	10,344	--	--	1,051	--	--	160	--	169	692
Total	215,313	987	11	21,090	217	--	4,646	2,603	9,279	14,152

(Table 3 continued on next page)

(Table 3 continued)

PRAIRIE UNIT

County	All species	Species group								
		Pine	Red-cedar	Ash	Basswood	Gum	Black cherry	Cottonwood	Elm	Pecan hickory
Adams	17,937	369	167	283	--	--	172	--	2,282	434
Boone	4,622	--	--	235	--	--	117	--	529	216
Brown	2,017	--	--	144	--	--	88	56	56	48
Bureau	3,194	--	--	--	--	--	6	--	135	16
Carroll	1,437	--	--	--	--	--	43	--	--	21
Cass	1,979	--	--	--	--	--	--	--	35	4
Champaign	9,358	97	30	204	50	--	208	1,012	1,523	--
Christian	5,740	--	--	--	--	--	--	--	--	26
Coles	4,327	--	--	--	--	--	66	--	--	133
Cook	157,333	1,511	--	2,317	455	--	3,416	8,195	10,064	5,598
De Kalb	5,334	--	--	62	--	--	249	--	57	187
De Witt	1,273	--	--	--	--	--	--	--	--	--
Douglas	1,165	--	--	86	--	--	--	--	--	61
Du Page	29,179	--	--	6,912	--	--	2	1	11,042	1
Edgar	4,739	--	--	--	--	--	208	1,085	--	--
Ford	1,196	--	--	8	--	--	--	--	3	119
Fulton	12,352	11	--	19	--	--	302	275	1,675	93
Grundy	18,736	--	--	2,558	--	--	95	282	461	693
Hancock	24,168	--	--	2,197	--	--	512	--	455	876
Henderson	3,964	--	--	86	--	--	677	6	460	77
Henry	20,341	--	--	149	--	--	172	8	6,399	--
Iroquois	23,976	42	--	1,178	--	--	--	4,390	--	385
Jo Daviess	26,042	--	--	1,610	61	--	19	--	6,274	147
Kane	19,699	--	--	--	--	--	--	--	5,894	94
Kankakee	21,138	4	--	550	--	--	359	224	4,306	195
Kendall	46,257	--	637	1,547	--	--	--	--	114	2,063
Knox	5,302	42	--	--	--	--	216	--	1,386	77
Lake	83,119	--	--	--	--	--	1,381	--	45	172
La Salle	16,257	84	--	38	--	--	129	1,068	3,537	10
Lee	8,722	22	--	--	--	--	622	390	205	50
Livingston	8,288	300	--	284	--	--	--	1	433	7
Logan	2,195	--	--	--	--	--	--	--	408	46
Macon	8,076	109	--	268	--	--	279	2,912	967	24
Marshall	941	--	--	140	--	--	--	--	--	--
Mason	3,699	--	--	191	--	--	--	--	--	253
McDonough	10,194	--	--	--	--	--	4	--	529	348
McHenry	207,898	--	--	841	--	--	2,687	2,586	10,548	1,288
McLean	10,889	--	--	709	--	--	195	667	310	186
Menard	2,629	--	--	--	--	--	364	--	220	--
Mercer	1,529	--	--	--	--	--	--	102	--	69
Morgan	4,245	--	--	17	--	--	35	--	957	174
Moultrie	2,007	--	--	--	--	--	--	--	116	--
Ogle	12,439	--	338	7	--	--	490	--	2	568
Peoria	21,524	13	--	--	--	--	160	365	3,899	163
Piatt	3,473	--	--	--	--	--	--	54	623	132
Pike	10,521	--	--	--	--	--	--	--	1,990	46
Putnam	3,701	--	--	1	--	--	--	--	3	--
Rock Island	9,732	268	--	--	--	--	283	--	231	28
Sangamon	10,387	21	--	13	--	33	1,437	--	1,725	47
Schuyler	1,661	--	--	--	--	--	--	--	236	66
Scott	3,053	--	--	--	--	--	157	--	227	--
Stark	655	--	--	--	--	--	--	--	226	--
Stephenson	5,972	--	--	--	--	--	492	--	2,849	12
Tazewell	23,694	169	--	2,539	--	--	85	555	2,716	683
Vermillion	53,394	99	--	1,415	--	--	778	990	335	3,489
Warren	5,607	--	--	--	--	--	87	--	1	569
Whiteside	3,962	141	--	3	--	--	36	157	363	--
Will	246,879	114	--	2,770	77	--	4,832	1,849	12,914	1,941
Winnebago	42,089	1,003	--	760	103	--	2,692	2,229	6,302	624
Woodford	27,130	114	--	5,099	--	--	148	115	776	1,331
Total	1,329,366	4,533	1,172	35,240	746	33	24,300	29,574	106,843	23,890
State total	1,633,248	5,554	1,455	68,534	963	136	30,851	32,179	118,787	43,335

(Table 3 continued on next page)

(Table 3 continued)

SOUTHERN UNIT

County	Species group: Other hickory	Hard maple	Soft maple	Red oak	White oak	Sycamore	Black walnut	Yellow poplar	Other hardwoods
Alexander	1	--	--	2	1	--	--	--	--
Franklin	246	30	133	3,839	2,066	--	569	--	675
Gallatin	47	--	--	68	38	4	--	--	77
Hamilton	1,185	190	863	2,609	1,469	--	--	--	--
Hardin	26	--	--	2,371	1,334	--	--	--	--
Jackson	365	28	125	3,687	2,074	5	--	3	51
Johnson	110	--	--	846	475	--	--	--	--
Massac	111	6	27	275	153	--	--	10	2
Perry	303	2	11	3,091	1,739	85	--	--	--
Pope	302	--	--	1,386	780	--	--	--	201
Pulaski	1,841	1	5	3,243	1,825	--	--	--	16
Randolph	1,626	380	1,729	3,315	1,864	159	--	--	149
Saline	8	--	--	557	314	290	--	--	--
Union	914	48	221	3,665	2,061	--	--	1	681
White	473	17	79	516	290	--	--	--	7
Williamson	241	212	963	2,513	1,460	--	--	--	311
Total	7,799	914	4,156	31,983	17,943	543	569	14	2,170
CLAYPAN UNIT									
Bond	513	56	239	1,618	1,495	--	--	--	503
Calhoun	51	--	--	304	281	--	--	--	--
Clark	1,022	92	393	2,620	2,579	--	--	--	5,172
Clay	295	9	40	828	763	--	--	--	--
Clinton	108	7	29	1,249	1,152	--	--	--	867
Crawford	1,270	96	409	5,615	5,184	--	--	--	1,596
Cumberland	721	106	452	1,158	1,071	--	--	--	534
Edwards	309	177	754	829	764	--	423	--	625
Effingham	730	5	12	964	889	--	2	--	8
Fayette	1,113	--	--	3,540	2,565	--	--	--	--
Greene	1,545	165	704	1,868	2,152	--	39	--	245
Jasper	430	--	--	1,012	934	--	--	--	--
Jefferson	374	69	294	1,106	1,389	--	--	--	328
Jersey	418	484	2,065	2,684	2,751	--	17	--	919
Lawrence	82	--	1	73	68	--	--	--	717
Macoupin	383	121	515	677	799	--	113	--	1,987
Madison	441	778	3,529	3,781	4,164	817	184	--	3,081
Marion	2,357	307	1,308	1,750	970	--	--	--	64
Monroe	688	183	779	1,297	1,197	--	--	--	--
Montgomery	122	52	223	1,046	2,578	--	--	--	3,289
Richland	247	--	--	977	902	--	--	--	--
St. Clair	2,645	139	597	3,878	3,579	778	289	--	910
Shelby	1,011	231	980	2,453	2,264	--	6	--	468
Wabash	1,761	220	935	1,018	939	--	--	--	276
Washington	2,410	21	88	2,982	3,725	--	--	--	608
Wayne	1,083	16	69	3,562	3,288	--	--	--	254
Total	22,129	3,334	14,415	48,889	48,442	1,595	1,073	--	22,451

(Table 3 continued on next page)

(Table 3 continued)

PRAIRIE UNIT

County	Species group								
	Other hickory	Hard maple	Soft maple	Red oak	White oak	Sycamore	Black walnut	Yellow poplar	Other hardwoods
Adams	1,114	53	387	3,285	6,374	--	220	--	2,797
Boone	554	39	286	818	1,591	--	226	--	11
Brown	121	40	298	324	630	--	71	--	141
Bureau	40	35	254	509	1,007	--	135	--	1,057
Carroll	54	23	169	323	628	--	71	--	105
Cass	9	1	14	611	1,186	--	1	--	118
Champaign	--	101	738	370	718	465	520	--	3,322
Christian	67	10	68	846	2,137	--	1,270	--	1,316
Coles	341	76	560	877	1,704	--	87	--	483
Cook	14,395	4,157	30,490	24,874	48,283	--	712	--	2,866
De Kalb	481	45	391	1,197	2,326	--	57	--	282
De Witt	--	124	910	41	79	--	--	--	119
Douglas	156	--	--	88	171	--	--	--	603
Du Page	4	106	787	3,509	6,810	--	4	--	1
Edgar	--	191	1,397	138	269	--	601	--	850
Ford	306	15	106	216	422	--	--	--	1
Fulton	236	179	1,314	1,897	3,119	--	535	--	2,697
Grundy	1,782	132	968	1,764	3,423	--	--	--	6,578
Hancock	2,253	143	1,059	4,376	8,495	--	--	--	3,802
Henderson	200	15	113	623	1,210	--	--	--	497
Henry	--	151	1,108	3,417	6,633	--	224	--	2,080
Iroquois	993	309	2,262	3,345	4,932	--	230	--	5,910
Jo Daviess	376	779	5,716	3,253	6,314	--	269	--	1,224
Kane	244	90	659	3,490	6,777	--	4	--	2,447
Kankakee	502	473	3,468	3,497	6,786	--	--	--	774
Kendall	5,305	334	2,451	9,362	18,175	--	4,093	--	2,176
Knox	198	26	189	965	1,709	--	211	--	283
Lake	443	302	2,221	24,643	47,833	--	4	--	6,075
La Salle	24	315	2,451	1,074	2,086	--	63	--	5,378
Lee	129	39	288	1,526	2,963	--	--	--	2,488
Livingston	21	24	174	733	1,422	--	61	--	4,828
Logan	117	85	622	225	437	--	--	--	255
Macon	63	124	908	452	793	94	88	--	995
Marshall	--	3	19	215	416	--	--	--	148
Mason	650	--	--	785	1,526	--	--	--	294
McDonough	896	273	257	1,389	1,684	--	--	--	4,814
McHenry	3,312	637	4,677	59,573	114,851	--	--	--	6,898
McLean	479	117	962	1,149	2,231	240	347	8	3,289
Menard	--	27	199	220	426	--	59	--	1,114
Mercer	180	26	192	22	721	--	--	--	217
Morgan	494	182	1,336	219	427	--	35	--	369
Moultrie	--	--	--	154	298	--	--	--	1,439
Ogle	1,463	--	--	2,315	3,922	--	20	--	3,314
Peoria	419	591	2,394	4,385	8,512	--	48	--	575
Piatt	340	45	322	291	562	--	284	--	820
Pike	117	--	--	2,704	5,249	--	26	--	389
Putnam	--	--	3	10	3,684	--	--	--	--
Rock Island	73	183	1,341	1,513	2,938	--	115	--	2,759
Sangamon	118	127	926	957	1,861	--	490	--	2,632
Schuyler	169	77	--	379	734	--	--	--	--
Scott	--	--	--	830	1,612	--	227	--	--
Stark	--	--	--	134	261	--	--	--	34
Stephenson	31	78	574	568	1,104	--	4	--	260
Tazewell	1,755	138	1,633	2,628	5,101	--	1,217	--	4,475
Vermillion	8,970	524	4,159	5,084	9,867	6,097	5,053	--	6,534
Warren	1,462	38	275	646	1,255	--	--	--	1,274
Whiteside	--	3	40	875	1,698	--	--	--	646
Will	4,989	5,038	36,950	43,077	83,620	1,291	4	--	47,413
Winnebago	1,604	359	2,639	6,788	13,175	--	494	--	3,317
Woodford	3,421	34	246	4,899	9,507	--	642	--	798
Total	61,470	17,036	121,970	244,477	474,684	8,187	18,822	8	156,381
State total	91,398	21,284	140,541	325,349	541,069	10,325	20,464	22	181,002

Table 4.--Fuelwood production from roundwood by Unit, species group, and source of material, Illinois, 1983

(In standard cords)

All UNITS

Species	All sources	Growing stock[1/]				Nongrowing stock sources					
		Total	Sawtimber		Pole-timber	Total	Tops, limb-wood [2/]	Sap-lings [1/]	Cull trees, sections [1/]	Dead trees [1/]	Non-forest land [3/]
			Saw log portion	Upper stem							
SOFTWOODS											
Pine	5,554	116	45	28	43	5,438	44	--	29	1,005	4,360
Redcedar	1,455	--	--	--	--	1,455	--	--	--	364	1,091
Total	7,009	116	45	28	43	6,893	44	--	29	1,369	5,451
HARDWOODS											
Ash	68,534	7,791	3,560	1,067	3,164	60,743	4,764	--	1,568	19,063	35,348
Basswood	963	140	59	27	54	823	67	--	27	44	685
Gum	136	--	--	--	--	136	--	--	--	--	136
Black cherry	30,851	2,695	1,217	365	1,113	28,156	1,172	--	527	8,804	17,653
Cottonwood	32,179	1,908	861	258	789	30,271	861	--	373	7,116	21,921
Elm	118,787	6,176	2,840	827	2,509	112,611	2,768	14	1,329	31,269	77,231
Pecan hickory	43,335	4,366	1,892	745	1,729	38,969	2,944	--	865	10,976	24,184
Other hickory	91,398	8,160	3,637	1,250	3,273	83,238	5,126	15	1,541	22,528	54,028
Hard maple	21,284	805	349	160	296	20,479	441	--	123	5,575	14,340
Soft maple	140,541	3,939	1,830	527	1,582	136,602	2,326	--	835	35,206	98,235
Red oak	325,349	19,654	8,711	3,209	7,734	305,695	14,800	57	4,004	112,146	174,688
White oak	541,069	28,137	12,436	4,648	11,053	512,932	21,997	100	5,570	189,582	295,683
Sycamore	10,325	364	153	72	139	9,961	183	--	70	889	8,819
Black walnut	20,464	1,003	465	163	375	19,461	837	--	210	8,768	9,646
Yellow-poplar	22	1	1	--	--	21	2	--	--	--	19
Other hdwds.	181,002	14,493	6,806	1,688	5,999	166,509	6,230	14	3,085	47,777	109,403
Total	1,626,239	99,632	44,817	15,006	39,809	1,526,607	64,518	200	20,127	499,743	942,019
All species	1,633,248	99,748	44,862	15,034	39,852	1,533,500	64,562	200	20,156	501,112	947,470

[1/] On commercial forest land.

[2/] From sawtimber and poletimber on commercial forest land.

[3/] Includes fuelwood from urban and suburban areas, fence rows, windbreaks, and trees on pasture and cropland. In addition, it includes fuelwood from all trees on rural woodland in Cook County. Rural woodland in Cook County is defined as reserved from commercial use.

Table 4 continued

SOUTHERN UNIT

Species	All sources	Growing stock[1]				Nongrowing stock sources					
		Total	Sawtimber		Pole-timber	Total	Tops, limb-wood [2]	Sap-lings[1]	Cull trees, sections[1]	Dead trees[1]	Non-forest land[3]
			Saw log portion	Upper stem							
SOFTWOODS											
Pine	34	--	--	--	--	34	--	--	--	3	31
Redcedar	272	--	--	--	--	272	--	--	--	--	272
Total	306	--	--	--	--	306	--	--	--	3	303
HARDWOODS											
Ash	12,204	1,075	501	132	442	11,129	647	--	236	3,255	6,991
Basswood	--	--	--	--	--	--	--	--	--	--	--
Gum	103	--	--	--	--	103	--	--	--	--	103
Black cherry	1,905	153	77	15	61	1,752	61	--	31	705	955
Cottonwood	2	--	--	--	--	2	--	--	--	--	2
Elm	2,665	118	34	50	34	2,547	34	--	34	1,537	942
Pecan hickory	5,293	682	282	133	267	4,611	401	--	133	1,855	2,222
Other hickory	7,799	989	464	135	390	6,810	479	--	180	2,740	3,411
Hard maple	914	98	49	-	49	816	32	--	16	500	268
Soft maple	4,156	403	201	29	173	3,753	159	--	101	2,276	1,217
Red oak	31,983	3,097	1,439	378	1,280	28,886	1,454	--	640	10,241	16,551
White oak	17,943	1,695	781	236	678	16,248	780	--	383	5,752	9,333
Sycamore	543	30	--	30	--	513	--	--	--	225	288
Black walnut	569	154	56	56	42	415	366	--	29	15	5
Yellow-poplar	14	1	1	--	--	13	2	--	--	--	11
Other hdwds.	2,170	447	208	60	179	1,723	164	--	89	432	1,038
Total	88,263	8,942	4,093	1,254	3,595	79,321	4,579	--	1,872	29,533	43,337
All species	88,569	8,942	4,093	1,254	3,595	79,627	4,579	--	1,872	29,536	43,640

[1] On commercial forest land.

[2] From sawtimber and poletimber on commercial forest land.

[3] Includes fuelwood from urban and suburban areas, fence rows, windbreaks, and trees on pasture and cropland.

Table 4 continued

CLAYPAN UNIT

Species	All sources	Growing stock 1/				Nongrowing stock sources					
		Total	Sawtimber		Pole-timber	Total	Tops, limb-wood 2/	Sap-lings 1/	Cull trees, sections 1/	Dead trees 1/	Non-forest land 3/
			Saw log portion	Upper stem							
SOFTWOODS											
Pine	987	8	4	1	3	979	3	--	2	30	944
Redcedar	11	--	--	--	--	11	--	--	--	--	11
Total	998	8	4	1	3	990	3	--	2	30	955
HARDWOODS											
Ash	21,090	2,746	1,206	465	1,075	18,344	2,455	--	538	4,011	11,340
Basswood	217	135	54	27	54	82	55	--	27	--	--
Gum	--	--	--	--	--	--	--	--	--	--	--
Black cherry	4,646	763	331	130	302	3,883	346	--	158	544	2,835
Cottonwood	2,603	356	157	57	142	2,247	171	--	71	338	1,667
Elm	9,279	1,214	549	173	492	8,065	506	--	246	2,720	4,593
Pecan hickory	14,152	2,358	1,046	383	929	11,794	1,857	--	442	3,991	5,504
Other hickory	22,129	3,696	1,632	606	1,458	18,433	2,859	15	707	6,240	8,612
Hard maple	3,334	291	127	73	91	3,043	218	--	55	739	2,031
Soft maple	14,415	1,212	534	202	476	13,203	924	--	260	3,143	8,876
Red oak	48,889	7,283	3,213	1,199	2,871	41,606	5,213	14	1,500	15,449	19,430
White oak	48,442	8,526	3,748	1,402	3,376	39,916	5,764	14	1,759	14,444	17,935
Sycamore	1,595	264	125	28	111	1,331	98	--	56	172	1,005
Black walnut	1,073	103	59	--	44	970	59	--	29	424	458
Yellow-poplar	--	--	--	--	--	--	--	--	--	--	--
Other hdwds.	22,451	4,271	1,998	521	1,752	18,180	1,969	--	912	4,186	11,113
Total	214,315	33,218	14,779	5,266	13,173	181,097	22,494	43	6,760	56,401	95,399
All species	215,313	33,226	14,783	5,267	13,176	182,087	22,497	43	6,762	56,431	96,354

1/ On commercial forest land.

2/ From sawtimber and poletimber on commercial forest land.

3/ Includes fuelwood from urban and suburban areas, fence rows, windbreaks, and trees on pasture and cropland.

Table 4 continued

PRAIRIE UNIT

Species	All sources	Growing stock[1]				Nongrowing stock sources					
		Total	Sawtimber		Pole-timber	Total	Tops, limb-wood[2]	Sap-lings[1]	Cull trees, sections[1]	Dead trees[1]	Non-forest land[3]
			Saw log portion	Upper stem							
SOFTWOODS											
Pine	4,533	108	41	27	40	4,425	41	-	27	972	3,385
Redcedar	1,172	-	-	-	-	1,172	-	-	-	364	808
Total	5,705	108	41	27	40	5,597	41	-	27	1,336	4,193
HARDWOODS											
Ash	35,240	3,970	1,853	470	1,647	31,270	1,662	--	794	11,797	17,017
Basswood	746	5	5	--	--	741	12	--	--	44	685
Gum	33	--	--	--	--	33	--	--	--	--	33
Black cherry	24,300	1,779	809	220	750	22,521	765	--	338	7,555	13,863
Cottonwood	29,574	1,552	704	201	647	28,022	690	--	302	6,778	20,252
Elm	106,843	4,844	2,257	604	1,983	101,999	2,228	14	1,049	27,012	71,696
Pecan hickory	23,890	1,326	564	229	533	22,564	686	--	290	5,130	16,458
Other hickory	61,470	3,475	1,541	509	1,425	57,995	1,788	--	654	13,548	42,005
Hard maple	17,036	416	173	87	156	16,620	191	--	52	4,336	12,041
Soft maple	121,970	2,324	1,095	296	933	119,646	1,243	--	474	29,787	88,142
Red oak	244,477	9,274	4,059	1,632	3,583	235,203	8,133	43	1,864	86,456	138,707
White oak	474,684	17,916	7,907	3,010	6,999	456,768	15,453	86	3,428	169,386	268,415
Sycamore	8,187	70	28	14	28	8,117	85	--	14	492	7,526
Black walnut	18,822	746	350	107	289	18,076	412	--	152	8,329	9,183
Yellow-poplar	8	--	--	--	--	8	--	--	--	--	8
Other hdwds.	156,381	9,775	4,600	1,107	4,068	146,606	4,097	14	2,084	43,159	97,252
Total	1,323,661	57,472	25,945	8,486	23,041	1,266,189	37,445	157	11,495	413,809	803,283
All species	1,329,366	57,580	25,986	8,513	23,081	1,271,786	37,486	157	11,522	415,145	807,476

[1] On commercial forest land.

[2] From sawtimber and poletimber on commercial forest land.

[3] Includes fuelwood from urban and suburban areas, fence rows, windbreaks, and trees on pasture and cropland. In addition, it includes fuelwood from all trees on rural woodland in Cook County. Rural woodland in Cook County is defined as reserved from commercial use.

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Fuelwood production and sources from roundwood in Illinois, 1983. Resour. Bull. NC-92. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Forest Experiment Station; 1985. 73 p.

Discusses and analyzes 1983 Illinois fuelwood production from roundwood. Analyzes production by geographic areas, type of producer, species, landowner class, type of land, and tree source.

KEY WORDS: Growing stock, households, commercial producer, private land.